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NEWS 10 Jun 10 MEDLINE Reload
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saved answer sets no longer valid
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NEWS 15 Jul 30 NETFIRST to be removed from STN
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NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
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NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
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NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA

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Print selected from Online session18/09/2002

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FILE 'HOME' ENTERED AT 18:55:34 ON 18 SEP 2002

=> file registry

COST IN U.S. DOLLARS

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SESSION

FULL ESTIMATED COST

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0.21

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STRUCTURE FILE UPDATES: 17 SEP 2002 HIGHEST RN 452274-20-3

DICTIONARY FILE UPDATES: 17 SEP 2002 HIGHEST RN 452274-20-3

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Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNnote 27, Searching Properties
in the CAS Registry File, for complete details:
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=>

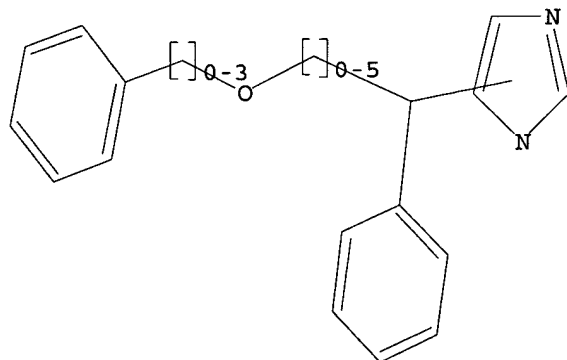
Uploading 9997323.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Print selected from Online session18/09/2002

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 18:56:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 11575 TO ITERATE

8.6% PROCESSED 1000 ITERATIONS 3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 225063 TO 237937
PROJECTED ANSWERS: 341 TO 1047

L2 3 SEA SSS SAM L1

=> s l1 ful

FULL SEARCH INITIATED 18:56:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 232277 TO ITERATE

100.0% PROCESSED 232277 ITERATIONS 320 ANSWERS
SEARCH TIME: 00.00.06

L3 320 SEA SSS FUL L1

=> file uspatall

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	140.28	140.49

FILE 'USPATFULL' ENTERED AT 18:56:27 ON 18 SEP 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 18:56:27 ON 18 SEP 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l3

L4 31 L3

=> d abs bib fhitr 1-31

L4 ANSWER 1 OF 31 USPATFULL

AB The present invention is concerned with compounds of formula ##STR1##

the N-oxides, the pharmaceutically acceptable addition salts and the stereochemically isomeric forms thereof, wherein X represents O, S or NR^{sup.3}; R^{sup.1} represents hydrogen, hydroxy, C_{sub.1-6}alkyl or aryl; R^{sup.2} represents hydrogen; optionally substituted C_{sub.1-12}alkyl; C_{sub.3-7}cycloalkyl; C_{sub.2-8}alkenyl; aryl; Het^{sup.1}; or R^{sup.1} and R^{sup.2} taken together may form a bivalent radical of formula --(CH_{sub.2})_{sub.n}-- wherein n is 2, 3, 4, 5 or 6; R^{sup.3} represents hydrogen, optionally substituted C_{sub.1-6}alkyl, aryl, Het^{sup.1}; R^{sup.4} represents hydrogen; hydroxy; mercapto; C_{sub.1-6}alkyloxy; C_{sub.1-6}alkylthio; aryloxy; arylthio; Het^{sup.1}-oxy; Het^{sup.1}-thio; optionally substituted C_{sub.1-12}alkyl; optionally substituted C_{sub.2-8}alkenyl; optionally substituted C_{sub.2-8}alkynyl; optionally substituted C_{sub.3-7}cycloalkyl; optionally substituted

C.sub.5-7cycloalkenyl; aryl; Het.sup.1; or --Alk--NR.sup.3R.sup.5 (i) or --NR.sup.3R.sup.5 (ii) wherein Alk represents C.sub.1-6alkanediyl; and R.sup.5 represents hydrogen, C.sub.1-6alkyl, aryl, Het.sup.1, (aryl or Het.sup.1)C.sub.1-6alkyl, (aryl or Het.sup.1)carbonyl or (aryl or Het.sup.1)C.sub.1-6alkyloxycarbonyl; aryl represents optionally substituted indanyl, indenyl, naphthyl, 5,6,7,8-tetrahydro-2-naphtalenyl or phenyl; Het represents an optionally substituted unsaturated heterocycle; and Het.sup.1 represents an optionally substituted monocyclic or bicyclic heterocycle; having retinoic mimetic activity; their preparation, compositions containing them and their use as a medicine.

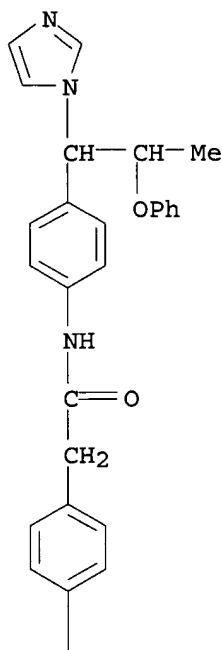
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:214265 USPATFULL
TI Retinoic acid mimetic anilides
IN Mabire, Dominique, La Saussaye, FRANCE
Adelinet, Christophe Denis, Iville, FRANCE
Csoka, Imre Christian, Louviers, FRANCE
Venet, Marc Gaston, Le Mesnil-Esnard, FRANCE
PI US 2002115653 A1 20020822
AI US 2001-962551 A1 20010925 (9)
RLI Division of Ser. No. US 2000-555775, filed on 1 Jun 2000, GRANTED, Pat.
No. US 6319939
PRAI EP 1997-203886 19971211
DT Utility
FS APPLICATION
LREP AUDLEY A. CIAMPORCERO JR., JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON
PLAZA, NEW BRUNSWICK, NJ, 08933-7003
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3087

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 227282-79-3P
(prepn. of N-[(imidazolyl- and triazolylalkyl)phenyl]acetamides and
analogs as retinoid metab. inhibitors)
RN 227282-79-3 USPATFULL
CN Benzeneacetamide, 4-chloro-N-[4-[1-(1H-imidazol-1-yl)-2-
phenoxypropyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



L4 ANSWER 2 OF 31 USPATFULL

AB The present invention is directed to peptidomimetic macrocyclic compounds which inhibit prenyl-protein transferase and the prenylation of the oncogene protein Ras. The invention is further directed to chemotherapeutic compositions containing the compounds of this invention and methods for inhibiting prenyl-protein transferase and the prenylation of the oncogene protein Ras.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:186086 USPATFULL

TI Inhibitors of prenyl-protein transferase

IN deSolms, S. Jane, Collegeville, PA, UNITED STATES
Stokker, Gerald E., Gwynedd Valley, PA, UNITED STATES
Shaw, Anthony W., Lansdale, PA, UNITED STATES

PI US 2002099007 A1 20020725

AI US 2001-757217 A1 20010109 (9)

PRAI US 2000-175801P 20000112 (60)

DT Utility

FS APPLICATION

LREP MERCK AND CO INC, P O BOX 2000, RAHWAY, NJ, 070650907

CLMN Number of Claims: 29

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 4365

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 443955-08-6P

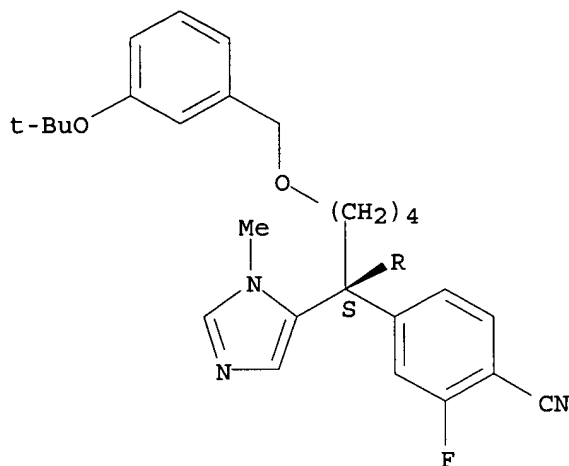
(prepn. of imidazole-substituted macrocyclic compds. as inhibitors of
prenyl-protein transferase)

RN 443955-08-6 USPATFULL

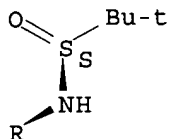
CN 2-Propanesulfinamide, N-[(1R)-1-(4-cyano-3-fluorophenyl)-5-[[3-(1,1-
dimethylethoxy)phenyl]methoxy]-1-(1-methyl-1H-imidazol-5-yl)pentyl]-2-
methyl-, [S(R)]rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-A



PAGE 2-A



L4 ANSWER 3 OF 31 USPATFULL

AB Compounds of formula (I) ##STR1##

or pharmaceutically acceptable salts thereof, inhibit
farnesyltransferase. Methods for making the compounds, pharmaceutical
compositions containing the compounds, and methods of treatment using
the compounds are disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:32704 USPATFULL

TI Substituted phenyl farnesyltransferase inhibitors

IN Wang, Wei-Bo, Grayslake, IL, UNITED STATES

Curtin, Michael L., Pleasant Prairie, WI, UNITED STATES

Fakhoury, Stephen A., Ann Arbor, MI, UNITED STATES

Gwaltney, Stephen L., II, Lindenhurst, IL, UNITED STATES
Hasvold, Lisa A., Grayslake, IL, UNITED STATES
Hutchins, Charles W., Green Oaks, IL, UNITED STATES
Li, Qun, Libertyville, IL, UNITED STATES
Lin, Nan-Horng, Vernon Hills, IL, UNITED STATES
Nelson, Lissa Taka Jennings, Highland Park, IL, UNITED STATES
O'Connor, Steve, Guilford, CT, UNITED STATES
Sham, Hing L., Vernon Hills, IL, UNITED STATES
Sullivan, Gerard M., Round Lake Beach, IL, UNITED STATES
Wang, Gary T., Niles, IL, UNITED STATES
Wang, Xilu, Skokie, IL, UNITED STATES

PI US 2002019527 A1 20020214
AI US 2001-842391 A1 20010425 (9)
PRAI US 2000-200165P 20000427 (60)
DT Utility
FS APPLICATION
LREP Gregory W. Steele, Abbott Laboratories, AP6D/2 D-377, 100 Abbott Park
Road, Abbott Park, IL, 60064-6050
CLMN Number of Claims: 36
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 9159

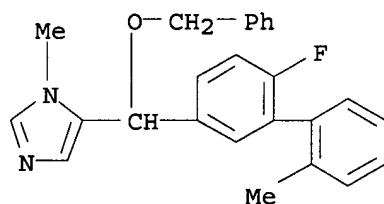
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 371761-23-8P

(prepn. of (imidazolylalkyl)biphenylcarbonitriles and analogs as
farnesyltransferase inhibitors)

RN 371761-23-8 USPATFULL

CN 1H-Imidazole, 5-[(6-fluoro-2'-methyl[1,1'-biphenyl]-3-
yl)(phenylmethoxy)methyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX
NAME)



● HCl

L4 ANSWER 4 OF 31 USPATFULL

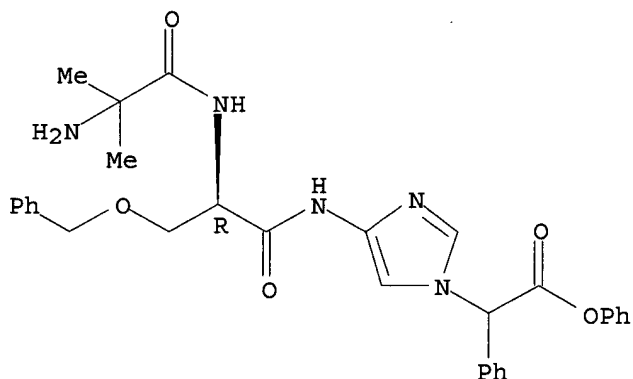
AB The present invention is directed to methods for the modulation of
cardiac function which comprise the administration of certain compounds,
as defined herein, having growth hormone secretagogue activity.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2001:226599 USPATFULL
TI Treatment of congestive heart failure with growth hormone secretagogues
IN Kauffman, Raymond F., Carmel, IN, United States
Palkowitz, Alan D., Carmel, IN, United States
PA Eli Lilly and Company, Indianapolis, IN, United States (U.S.
corporation)
PI US 6329342 B1 20011211

WO 9908697 19990225
AI US 2000-485924 20000218 (9)
WO 1998-US17201 19980819
20000218 PCT 371 date
20000218 PCT 102(e) date
PRAI US 1997-56135P 19970819 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Henley, III, Raymond
LREP Boudreaux, William R., Strode, Janelle D., McNeil, Scott A.
CLMN Number of Claims: 33
ECL Exemplary Claim: 1
DRWN 10 Drawing Figure(s); 8 Drawing Page(s)
LN.CNT 14373
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 220538-68-1P
(prepn. of heterocyclic peptide derivs. as growth hormone
secretagogues)
RN 220538-68-1 USPATFULL
CN D-Serinamide, 2-methylalanyl-N-[1-(2-oxo-2-phenoxy-1-phenylethyl)-1H-
imidazol-4-yl]-O-(phenylmethyl)-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

L4 ANSWER 5 OF 31 USPATFULL
AB The present invention is concerned with compounds of formula ##STR1##

the N-oxides, the pharmaceutically acceptable addition salts and the stereochemically isomeric forms thereof, wherein X represents O, S or NR^{sup.3}; R^{sup.1} represents hydrogen, hydroxy, C_{sub.1-6} alkyl or aryl; R^{sup.2} represents hydrogen; optionally substituted C_{sub.1-12} alkyl; C_{sub.3-7} cycloalkyl; C_{sub.2-8} alkenyl; aryl; Het^{sup.1}; or R^{sup.1} and R^{sup.2} taken together may form a bivalent radical of formula --(CH_{sub.2})_{sub.n}-- wherein n is 2, 3, 4, 5 or 6; R^{sup.3} represents hydrogen, optionally substituted C_{sub.1-6} alkyl, aryl, Het^{sup.1}; R^{sup.4} represents hydrogen; hydroxy; mercapto; C_{sub.1-6} alkyloxy; C_{sub.1-6} alkylthio; aryloxy; arylthio; Het^{sup.1}-oxy; Het^{sup.1}-thio; optionally substituted C_{sub.1-12} alkyl; optionally

substituted C.sub.2-8 alkenyl; optionally substituted C.sub.2-8 alkynyl; optionally substituted C.sub.3-7 cycloalkyl; optionally substituted C.sub.5-7 cycloalkenyl; aryl; Het.sup.1 ; or -Alk-NR.sup.3 R.sup.5 (i) or --NR.sup.3 R.sup.5 (ii) wherein Alk represents C.sub.1-6 alkanediyl; and R.sup.5 represents hydrogen, C.sub.1-6 alkyl, aryl, Het.sup.1, (aryl or Het.sup.1)C.sub.1-6 alkyl, (aryl or Het.sup.1)carbonyl or (aryl or Het.sup.1)C.sub.1-6 alkyloxycarbonyl; aryl represents optionally substituted indanyl, indenyl, naphtyl, 5,6,7,8-tetrahydro-2-naphtalenyl or phenyl; Het represents an optionally substituted unsaturated heterocycle; and Het.sup.1 represents an optionally substituted monocyclic or bicyclic heterocycle; having retinoic mimetic activity; their preparation, compositions containing them and their use as a medicine.

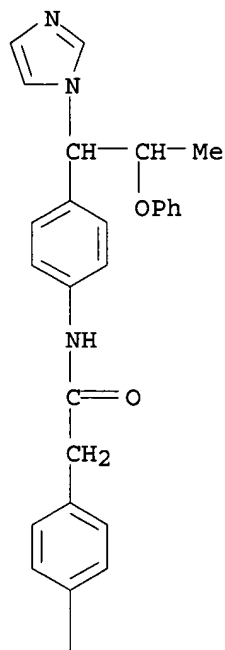
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2001:208905 USPATFULL
TI Retinoic acid mimetic anilides
IN Mabire, Dominique, La Saussaye, France
Adelinet, Christophe Denis, Iville, France
Csoka, Imre Christian, Louviers, France
Venet, Marc Gaston, Le Mesnil-Esnard, France
PA Janssen Pharmaceutica N.V., Beerse, Belgium (non-U.S. corporation)
PI US 6319939 B1 20011120
WO 9929674 19990617
AI US 2000-555775 20000601 (9)
WO 1998-EP8126 19981208
20000601 PCT 371 date
20000601 PCT 102(e) date
PRAI EP 1997-203886 19971211
DT Utility
FS GRANTED
EXNAM Primary Examiner: Davis, Zinna Northington
LREP Appollina, Mary
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2847

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 227282-79-3P
(prepn. of N-[(imidazolyl- and triazolylalkyl)phenyl]acetamides and
analogs as retinoid metab. inhibitors)
RN 227282-79-3 USPATFULL
CN Benzeneacetamide, 4-chloro-N-[4-[1-(1H-imidazol-1-yl)-2-
phenoxypropyl]phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A

Cl

L4 ANSWER 6 OF 31 USPATFULL

AB The present invention provides ras farnesyl transferase inhibiting compounds of Formula I ##STR1## The present invention also provides a method of treating cancer and treating or preventing restenosis or atherosclerosis. Also provided by the present invention is a pharmaceutically acceptable composition containing a compound of Formula I.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2000:150186 USPATFULL
TI Benzopyranone and quinolone inhibitors of ras farnesyl transferase
IN Kaltenbronn, James Stanley, Ann Arbor, MI, United States
Leonard, Daniele Marie, Ann Arbor, MI, United States
Repine, Joseph Thomas, Ann Arbor, MI, United States
PA Warner-Lambert Company, Morris Plains, NJ, United States (U.S. corporation)
PI US 6143766 20001107
AI US 2000-488437 20000120 (9)
PRAI US 1999-129586P 19990416 (60)
DT Utility
FS Granted
EXNAM Primary Examiner: Seaman, D. Margaret
LREP Ashbrook, Charles W.

CLMN Number of Claims: 14

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1203

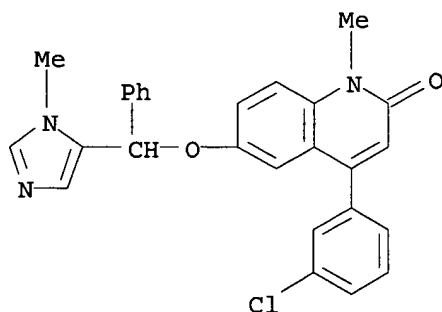
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 303999-02-2P

(prepn. of benzopyranones and quinolones as inhibitors of ras farnesyl transferase)

RN 303999-02-2 USPATFULL

CN 2(1H)-Quinolinone, 4-(3-chlorophenyl)-1-methyl-6-[(1-methyl-1H-imidazol-5-yl)phenylmethoxy]- (9CI) (CA INDEX NAME)



L4 ANSWER 7 OF 31 USPATFULL

AB The present invention is concerned with compounds of formula ##STR1## the N-oxides, the pharmaceutically acceptable addition salts and the stereochemically isomeric forms thereof, wherein R.sup.1 is hydrogen, hydroxy, C.sub.1-6 alkyl or aryl; R.sup.2 is hydrogen; optionally substituted C.sub.1-12 alkyl; C.sub.3-7 cycloalkyl; C.sub.2-8 alkenyl, optionally substituted pyrrolidinyl or aryl; R.sup.3 is hydrogen, optionally substituted C.sub.1-6 alkyl or aryl; Het is an optionally substituted unsaturated heterocycle selected from imidazolyl, triazolyl, tetrazolyl and pyridinyl; ##STR2## is an optionally substituted unsaturated mono- or bicyclic heterocycle; and aryl is optionally substituted phenyl. The present invention also relates to processes for their preparation and compositions comprising said new compounds, as well as their use as a medicine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2000:128362 USPATFULL

TI N-[4-(Heteroaryl-methyl)phenyl]-heteroarylamines

IN Venet, Marc Gaston, Le Mesnil Esnard, France
Mabire, Dominique Jean-Pierre, La Saussaye, France
Lacrampe, Jean Fernand Armand, Le Mesnil Esnard, France
Sanz, Gerard Charles, Le Mesnil Esnard, France

PA Janssen-Cilag S.A., Issy-les-Moulineaux Cedex, France (non-U.S. corporation)

PI US 6124330 20000926

WO 9749704 19971231

AI US 1999-214080 19990429 (9)

WO 1997-EP3248 19970619

19990429 PCT 371 date

19990429 PCT 102(e) date

PRAI EP 1996-201781 19960627

DT Utility

FS Granted

EXNAM Primary Examiner: McKane, Joseph; Assistant Examiner: Oswecki, Jane C.

CLMN Number of Claims: 12

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1968

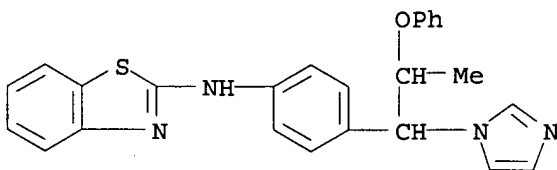
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 201410-91-5P

(prepn. of N-[(heteroaryl)methyl]phenyl]heteroarylamines as inhibitors of retinoic acid metab.)

RN 201410-91-5 USPATFULL

CN 2-Benzothiazolamine, N-[4-[1-(1H-imidazol-1-yl)-2-phenoxypropyl]phenyl]-(9CI) (CA INDEX NAME)



L4 ANSWER 8 OF 31 USPATFULL

AB The present invention is concerned with compounds of formula (I), ##STR1## the stereoisomeric forms thereof and the pharmaceutically acceptable acid or base addition salts thereof, wherein the dotted line represents an optional bond; X is oxygen or sulfur; R^{sup.1} is hydrogen, C_{sub.1-12} alkyl, Ar^{sup.1}, Ar^{sup.2} C_{sub.1-6} alkyl, quinolinylC_{sub.1-6} alkyl, pyridylC_{sub.1-6} alkyl, hydroxyC_{sub.1-6} alkyl, C_{sub.1-6} alkyloxyC_{sub.1-6} alkyl, mono- or di(C_{sub.1-6} alkyl)-aminoC_{sub.1-6} alkyl, aminoC_{sub.1-6} alkyl, or a radical of formula --Alk^{sup.1} --C(.dbd.O) --R^{sup.9}, --Alk^{sup.1} --S(O) --R^{sup.9} or --Alk^{sup.1} --S(O).sub.2 --R^{sup.9}; R^{sup.2} and R^{sup.3} each independently are hydrogen, hydroxy, halo, cyano, C_{sub.1-6} alkyl, C_{sub.1-6} alkyloxy, hydroxyC_{sub.1-6} alkyloxy, C_{sub.1-6} alkyloxy-C_{sub.1-6} alkyloxy, aminoC_{sub.1-6} alkyloxy, mono- or di(C_{sub.1-6} alkyl)aminoC_{sub.1-6} alkyloxy, Ar^{sup.1}, Ar^{sup.2} C_{sub.1-6} alkyl, Ar^{sup.2} oxy, Ar^{sup.2} C_{sub.1-6} alkyloxy, hydroxycarbonyl, C_{sub.1-6} alkyloxycarbonyl, trihalomethyl, trihalomethoxy, C_{sub.2-6} alkenyl; or when on adjacent positions R^{sup.2} and R^{sup.3} taken together may form a bivalent radical; R^{sup.4} and R^{sup.5} each independently are hydrogen, Ar^{sup.1}, C_{sub.1-6} alkyl, C_{sub.1-6} alkyloxyC_{sub.1-6} alkyl, C_{sub.1-6} alkyloxy, C_{sub.1-6} alkylthio, amino, hydroxycarbonyl, C_{sub.1-6} alkyloxycarbonyl, C_{sub.1-6} alkylS(O)C_{sub.1-6} alkyl or C_{sub.1-6} alkylS(O).sub.2 --C_{sub.1-6} alkyl; R^{sup.6} and R^{sup.7} each independently are hydrogen, halo, cyano, C_{sub.1-6} alkyl, C_{sub.1-6} alkyloxy or Ar^{sup.2} oxy; R^{sup.8} is hydrogen, C_{sub.1-6} alkyl, cyano, hydroxycarbonyl, C_{sub.1-6} alkyloxycarbonyl, C_{sub.1-6} alkylcarbonylC_{sub.1-6} alkyl, cyanoC_{sub.1-6} alkyl, C_{sub.1-6} alkyloxy-carbonylC_{sub.1-6} alkyl, hydroxycarbonylC_{sub.1-6} alkyl, hydroxyC_{sub.1-6} alkyl, aminoC_{sub.1-6} alkyl, mono- or di(C_{sub.1-6} alkyl)aminoC_{sub.1-6} alkyl, haloC_{sub.1-6} alkyl, C_{sub.1-6} alkyloxy-C_{sub.1-6} alkyl, aminocarbonylC_{sub.1-6} alkyl, Ar^{sup.1}, Ar^{sup.2} C_{sub.1-6} alkyloxyC_{sub.1-6} alkyl, C_{sub.1-6} alkylthioC_{sub.1-6} alkyl; R^{sup.10} is hydrogen, C_{sub.1-6} alkyl or halo; R^{sup.11} is hydrogen or C_{sub.1-6} alkyl; having farnesyl transferase inhibiting activity; their preparation, compositions containing them and

their use as a medicine.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

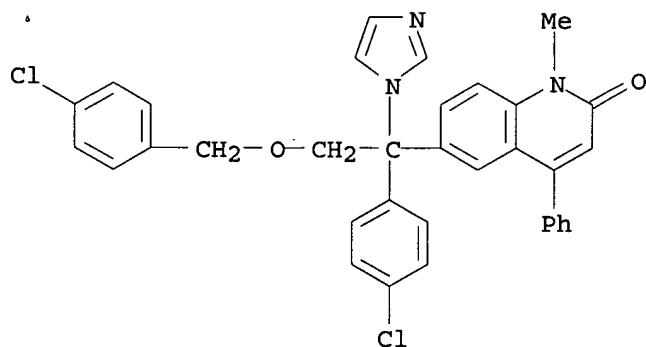
AN 1999:128568 USPATFULL
TI Farnesyl transferase inhibiting 2-quinolone derivatives
IN Venet, Marc Gaston, Le Mesnil Esnard, France
Angibaud, Patrick Rene, Fontaine-Bellenger, France
Sanz, Gerard Charles, Le Mesnil Esnard, France
End, David William, Ambler, PA, United States
PA Janssen Pharmaceutica, N.V., Beerse, Belgium (non-U.S. corporation)
PI US 5968952 19991019
WO 9716443 19970509
AI US 1998-66441 19980429 (9)
WO 1996-EP4661 19961025
19980429 PCT 371 date
19980429 PCT 102(e) date
PRAI EP 1995-202945 19951031
DT Utility
FS Granted
EXNAM Primary Examiner: Mach, D Margaret M
LREP Appollina, Mary A.
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1727

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 190898-15-8P

(prepn. of quinolone derivs. as farnesyl transferase inhibitors)

RN 190898-15-8 USPATFULL
CN 2(1H)-Quinolinone, 6-[1-(4-chlorophenyl)-2-[(4-chlorophenyl)methoxy]-1-(1H-imidazol-1-yl)ethyl]-1-methyl-4-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 9 OF 31 USPATFULL

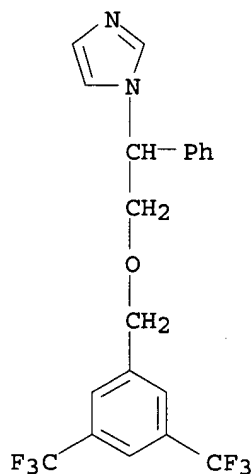
AB Compounds of formula (I), or a salt or prodrug thereof are tachykinin antagonists.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 97:36207 USPATFULL
TI Phenyl derivatives useful as tachykinin antagonists
IN Keown, Linda E., Cambridge, Great Britain
Ladduwahetty, Tamara, London, England
Van Niel, Monique B., Welwyn Garden City, Netherlands
PA Merck, Sharp & Dohme Ltd., Hoddesdon, England (non-U.S. corporation)

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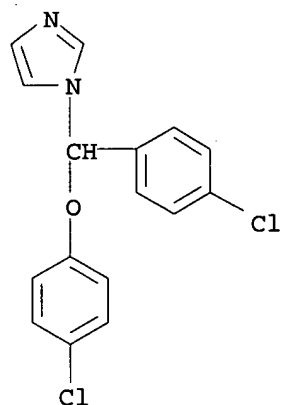
PI US 5624947 19970429
WO 9414767 19940707 ##STR1##
AI US 1995-481503 19950620 (8)
WO 1993-GB2559 19931215
19950620 PCT 371 date
19950620 PCT 102(e) date
PRAI GB 1992-26581 19921221
DT Utility
FS Granted
EXNAM Primary Examiner: Ramsuer, Robert W.
LREP North, Robert J., Winokur, Melvin
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 659
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 157171-50-1P
(prepn. of, as tachykinin antagonist)
RN 157171-50-1 USPATFULL
CN 1H-Imidazole, 1-[2-[[3,5-bis(trifluoromethyl)phenyl]methoxy]-1-phenylethyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 88:16191 USPATFULL
TI Aryl(aryloxy or arylthio) azolomethanes, and their use as pesticides
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4731372 19880315
AI US 1986-897485 19860818 (6)
RLI Division of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Jan 1987 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility

Print selected from Online session19:03Page 14

CN 1H-Imidazole, 1-[(4-chlorophenoxy) (4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 12 OF 31 USPATFULL

AB Labile quaternary ammonium salts of the following formula (I) and (II) are provided: ##STR1## wherein N represents a tertiary aliphatic amine; wherein N represents an unsaturated amine; wherein R represents a member selected from the group consisting of a hydrogen atom, a C.sub.1 -C.sub.8 open chain or cyclo alkyl group, a C.sub.1 -C.sub.8 alkoxyalkyl group, a C.sub.1 -C.sub.8 acyloxyalkyl group, a C.sub.1 -C.sub.8 haloalkyl group, a C.sub.1 -C.sub.8 carboxyalkyl group, a C.sub.2 -C.sub.8 alkenylphenyl group, an aryl group, and a substituted aryl group, whose substituents are selected from the group consisting of a halogen atom, an O-lower alkyl (C.sub.1 -C.sub.4) group, an O-acyl group, a nitro group, a carboxyl group, and a carboethoxy group; wherein R.sub.1 which may be the same or different, represents any member defined by R above with the proviso that R.sub.1 cannot be a hydrogen atom; wherein X is --O-- or --S--; and wherein Y represents a member selected from the group consisting of a halogen atom or any other organic or inorganic monovalent equivalent anion; with the further proviso that N and N, respectively cannot represent trimethylamine and pyridine or quinoline when R represents a hydrogen atom and R.sub.1 represents a methyl group or a phenyl group. The compounds described above are characterized by their extreme solubility and resistance to oxidation, dealkylation, and protonation prior to chemical and/or enzymatic hydrolysis. Upon chemical and/or enzymatic hydrolysis, these compounds will "cleave," thus releasing their active constituent or constituents, according to the following general scheme(s): ##STR2## In other words, the title compounds hydrolyze (chemically or enzymatically) releasing a tertiary amine or unsaturated amine derivative, an aldehyde, a carboxylic acid and a hydrogen halide (HX) per the above reaction scheme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 88:11591 USPATFULL

TI Labile quaternary ammonium salts as prodrugs

IN Bodor, Nicolae S., Lawrence, KS, United States

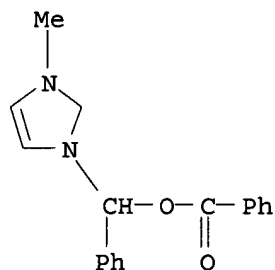
PA INTERx Research Corporation, Lawrence, KS, United States (U.S. corporation)

PI US 4727151 19880223

AI US 1978-962948 19781122 (5)

Print selected from Online session18/09/2002

RLI Division of Ser. No. US 1976-724914, filed on 20 Sep 1976, now patented,
Pat. No. US 4160099 which is a continuation-in-part of Ser. No. US
1974-482513, filed on 24 Jun 1974, now patented, Pat. No. US 3988815
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.; Assistant Examiner: Whittenbaugh,
Robert C.
LREP Polk, Manfred, Sudol, Jr., Michael C.
CLMN Number of Claims: 2
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1514
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 58577-54-1P
(prepn. of)
RN 58577-54-1 USPATFULL
CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI)
(CA INDEX NAME)



● Cl⁻

FRAGMENT DIAGRAM IS INCOMPLETE

L4 ANSWER 13 OF 31 USPATFULL
AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation
and their pesticidal and plant growth regulation uses.
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 88:4295 USPATFULL
TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides
IN Rogers, Richard B., Concord, CA, United States
Herrero, Maria P., Berkeley, CA, United States
PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)
PI US 4720502 19880119
AI US 1986-897571 19860818 (6)
RLI Division of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented,
Pat. No. US 4636514, issued on 13 Jan 1987 which is a continuation of
Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned
DT Utility
FS Granted
EXNAM Primary Examiner: Fan, Jane T.
LREP Jones, S. Preston, Brookens, Ronald G.
CLMN Number of Claims: 4
ECL Exemplary Claim: 1

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DRWN No Drawings

LN.CNT 790

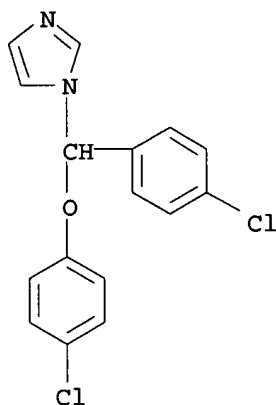
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 90703-48-3P

(prepn. of, as fungicide, insecticide, and herbicide)

RN 90703-48-3 USPATFULL

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA
INDEX NAME)



L4 ANSWER 14 OF 31 USPATFULL

AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 88:1288 USPATFULL

TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides

IN Rogers, Richard B., Concord, CA, United States

Herrero, Maria P., Berkeley, CA, United States

PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

PI US 4717734 19880105

AI US 1986-897484 19860818 (6)

RLI Continuation of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Fan, Jane T.

LREP Jones, S. Preston, Brookens, Ronald G.

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 789

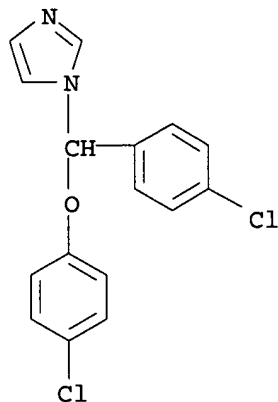
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 90703-48-3P

(prepn. of, as fungicide, insecticide, and herbicide)

RN 90703-48-3 USPATFULL

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA
INDEX NAME)



L4 ANSWER 15 OF 31 USPATFULL

AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 88:1287 USPATFULL

TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides

IN Rogers, Richard B., Concord, CA, United States

Herrero, Maria P., Berkeley, CA, United States

PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

PI US 4717733 19880105

AI US 1986-897574 19860818 (6)

RLI Continuation of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Jan 1987 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Fan, Jane T.

LREP Jones, S. Preston, Brookens, Ronald G.

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 790

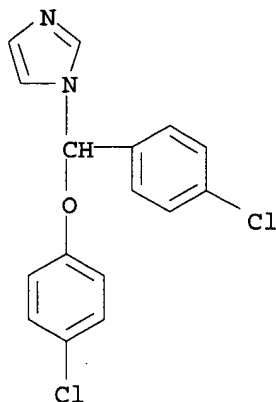
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 90703-48-3P

(prepn. of, as fungicide, insecticide, and herbicide)

RN 90703-48-3 USPATFULL

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 16 OF 31 USPATFULL

AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 88:1286 USPATFULL

TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides

IN Rogers, Richard B., Concord, CA, United States

Herrero, Maria P., Berkeley, CA, United States

PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

PI US 4717732 19880105

AI US 1986-897573 19860818 (6)

RLI Continuation of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Fan, Jane T.

LREP Jones, S. Preston, Brookens, Ronald G.

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 789

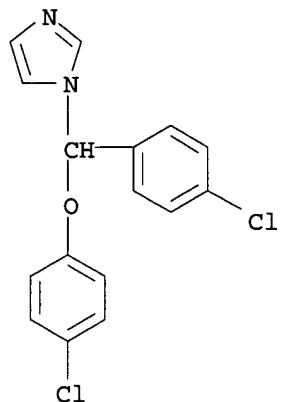
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 90703-48-3P

(prepn. of, as fungicide, insecticide, and herbicide)

RN 90703-48-3 USPATFULL

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 17 OF 31 USPATFULL

AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 87:89186 USPATFULL

TI Aryl(aryloxy or arylthio)azolomethanes and their use as pesticides

IN Rogers, Richard B., Concord, CA, United States

Herrero, Maria P., Berkeley, CA, United States

PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

PI US 4716174 19871229

AI US 1986-898061 19860818 (6)

RLI Continuation of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Fan, Jane T.

LREP Jones, S. Preston, Brookens, Ronald G.

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 789

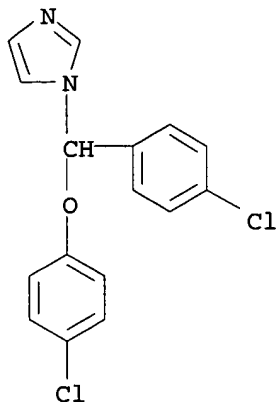
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 90703-48-3P

(prepn. of, as fungicide, insecticide, and herbicide)

RN 90703-48-3 USPATFULL

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 18 OF 31 USPATFULL

AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 87:73323 USPATFULL

TI Pyridyl (pyridyloxy or pyriolylthio) azolomethanes

IN Rogers, Richard B., Concord, CA, United States

Herrero, Maria P., Berkeley, CA, United States

PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

PI US 4701463 19871020

AI US 1986-897483 19860818 (6)

RLI Division of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Mar 1987 Continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Fan, Jane T.

LREP Jones, S. Preston, Brookens, Ronald G.

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 787

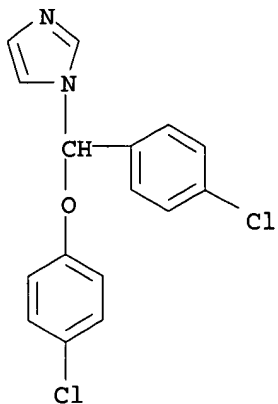
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 90703-48-3P

(prepn. of, as fungicide, insecticide, and herbicide)

RN 90703-48-3 USPATFULL

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 19 OF 31 USPATFULL

AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 87:73068 USPATFULL

TI Phenyl (phenoxy or phenylthio) azolomethanes

IN Rogers, Richard B., Concord, CA, United States

Herrero, Maria P., Berkeley, CA, United States

PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

PI US 4701207 19871020

AI US 1986-897551 19860818 (6)

RLI Division of Ser. No. US 1984-653399, filed on 24 Sep 1984, now patented, Pat. No. US 4636514, issued on 13 Jan 1987 which is a continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Fan, Jane T.

LREP Jones, S. Preston, Brookens, Ronald G.

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 786

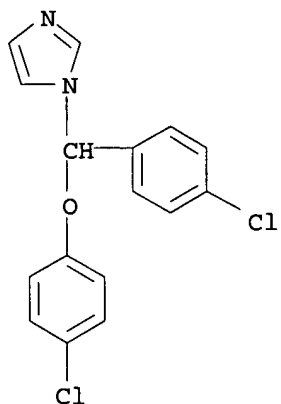
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 90703-48-3P

(prepn. of, as fungicide, insecticide, and herbicide)

RN 90703-48-3 USPATFULL

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 20 OF 31 USPATFULL

AB Disclosed are aryl(aryloxy or arylthio) azolomethanes, their preparation and their pesticidal and plant growth regulation uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 87:3266 USPATFULL

TI Aryl(aryloxy or arylthio)azolomethanes

IN Rogers, Richard B., Concord, CA, United States

Herrero, Maria P., Berkeley, CA, United States

PA The Dow Chemical Company, Midland, MI, United States (U.S. corporation)

PI US 4636514 19870113

AI US 1984-653399 19840924 (6)

RLI Continuation of Ser. No. US 1982-407852, filed on 13 Aug 1982, now abandoned

DT Utility

FS Granted

EXNAM Primary Examiner: Fan, Jane T.

LREP Jones, S. Preston, Brookens, Ronald G.

CLMN Number of Claims: 4

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 788

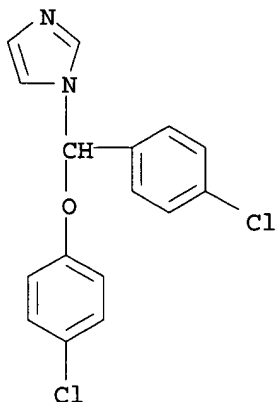
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 90703-48-3P

(prepn. of, as fungicide, insecticide, and herbicide)

RN 90703-48-3 USPATFULL

CN 1H-Imidazole, 1-[(4-chlorophenoxy)(4-chlorophenyl)methyl]- (9CI) (CA INDEX NAME)



L4 ANSWER 21 OF 31 USPATFULL

AB Compositions are prepared which are useful for treating skin conditions caused, in whole or in part, by Pityrosporum ovale which comprise a therapeutically-effective amount of an azole antimycotic in combination with a diluent or carrier suitable for application to human skin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 84:52750 USPATFULL

TI Azole antimycotics and their use in treating skin conditions caused by Pityrosporum ovale

IN Buchel, Karl H., Burscheid, Germany, Federal Republic of
Plempel, Manfred, Haan, Germany, Federal Republic of

PA Bayer Aktiengesellschaft, Germany, Federal Republic of (non-U.S. corporation)

PI US 4472421 19840918

AI US 1980-135985 19800331 (6)

RLI Continuation of Ser. No. US 1975-585847, filed on 11 Jun 1975, now abandoned

PRAI DE 1974-2430039 19740622

DT Utility

FS Granted

EXNAM Primary Examiner: Schenkman, Leonard

LREP Jacobs & Jacobs

CLMN Number of Claims: 6

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1192

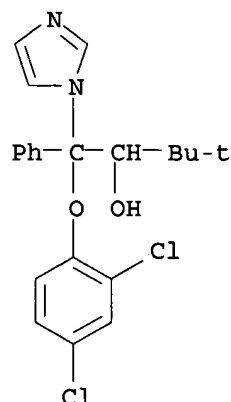
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 55362-27-1

(Pityrosporum ovale growth inhibition by)

RN 55362-27-1 USPATFULL

CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 22 OF 31 USPATFULL

AB A new imidazole compound is now provided, which is represented by the general formula ##STR1## wherein R.sub.1 is naphthyl group, an arylalkyl group, a cycloalkyl group, a cycloalkylalkyl group, an alkyl group, a lower alkenyl group, a lower alkoxy-lower alkyl group or a phenylthio-lower alkyl group or phenyl group or a substituted phenyl group;

R.sub.2 is an unsubstituted or substituted alkyl group or an alkenyl group or an alkynyl group, naphthyl group, or an unsubstituted or substituted phenyl group;

X is an oxygen atom or a sulfur atom; and

Y is an unsubstituted or substituted alkylene group or an unsubstituted or substituted alkenylene group. The new imidazole compound and its salt show a usefully high fungicidal activity against a wide variety of fungi which infest crop plants. The new imidazole compound and its salt may be useful as fungicidal agent of agricultural and horticultural usages.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 83:27697 USPATFULL

TI Imidazole derivatives and fungicidal composition containing the same

IN Ohyama, Hiroshi, Chigasaki, Japan

Morita, Ken, Hiratsuka, Japan

Wada, Takuo, Hatano, Japan

Miyahara, Masahiko, Atsugi, Japan

PA Hokko Chemical Industry Company, Ltd., Japan (non-U.S. corporation)

PI US 4391804 19830705

AI US 1982-358533 19820316 (6)

DT Utility

FS Granted

EXNAM Primary Examiner: Ramsuer, Robert W.

LREP Larson and Taylor

CLMN Number of Claims: 9

ECL Exemplary Claim: 1,8

DRWN No Drawings

LN.CNT 2022

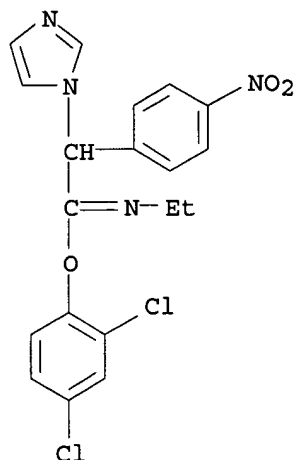
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 84479-44-7P

(prepn. and fungicidal activity of)

RN 84479-44-7 USPATFULL

CN 1H-Imidazole-1-ethanimidic acid, N-ethyl-.alpha.-(4-nitrophenyl)-,
2,4-dichlorophenyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 23 OF 31 USPATFULL

AB Labile quaternary ammonium salts of the following formula (I) and (II) are provided: ##STR1## wherein ##STR2## represents a tertiary aliphatic amine; wherein ##STR3## represents an unsaturated amine; wherein R represents a member selected from the group consisting of a hydrogen atom, a C.sub.1 -C.sub.8 open chain or cyclo alkyl group, a C.sub.1 -C.sub.8 alkoxyalkyl group, a C.sub.1 -C.sub.8 acyloxyalkyl group, a C.sub.1 -C.sub.8 haloalkyl group, a C.sub.1 -C.sub.8 carboxyalkyl group, a C.sub.2 -C.sub.8 alkenylphenyl group, an aryl group, and a substituted aryl group, whose substituents are selected from the group consisting of a halogen atom, an O-lower alkyl (C.sub.1 -C.sub.4) group, an O-acyl group, a nitro group, a carboxyl group, and a carboethoxy group; wherein R.sub.1 which may be the same or different, represents any member defined by R above with the proviso that R.sub.1 cannot be a hydrogen atom; wherein X is --O-- or --S--; and wherein Y represents a member selected from the group consisting of a halogen atom or any other organic or inorganic monovalent equivalent anion;

With the further proviso that ##STR4## respectively cannot represent trimethylamine and pyridine or quinoline when R represents a hydrogen atom and R.sub.1 represents a methyl group or a phenyl group.

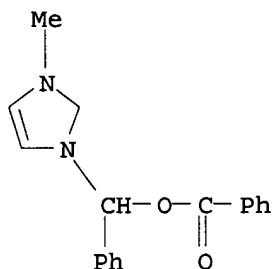
The compounds described above are characterized by their extreme solubility and resistance to oxidation, dealkylation, and protonation prior to chemical and/or enzymatic hydrolysis. Upon chemical and/or enzymatic hydrolysis, these compounds will "cleave," thus releasing their active constituent or constituents, according to the following general scheme(s): ##STR5## In other words, the title compounds hydrolyze (chemically or enzymatically) releasing a tertiary amine or unsaturated amine derivative, an aldehyde, a carboxylic acid and a hydrogen halide (HX) per the above reaction scheme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 79:30016 USPATFULL

TI Labile, non-heterocyclic quaternary ammonium salt/esters as transient derivatives

IN Bodor, Nicolae S., Lawrence, KS, United States
PA Interx Research Corporation, Lawrence, United States (U.S. corporation)
PI US 4160099 19790703
AI US 1976-724914 19760920 (5)
DCD 19931102
RLI Continuation-in-part of Ser. No. US 1974-482513, filed on 24 Jun 1974,
now patented, Pat. No. US 3998815
DT Utility
FS Granted
EXNAM Primary Examiner: Rotman, Alan L.
LREP Bacon & Thomas
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN 2 Drawing Figure(s); 2 Drawing Page(s)
LN.CNT 1476
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 58577-54-1P
(prepn. of)
RN 58577-54-1 USPATFULL
CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI)
(CA INDEX NAME)



● Cl⁻

FRAGMENT DIAGRAM IS INCOMPLETE

L4 ANSWER 24 OF 31 USPATFULL
AB Labile quaternary ammonium salts of the following formula (I) and (II) are provided: ##STR1## wherein N represents a tertiary aliphatic amine; wherein N represents an aromatic amine; wherein R represents a member selected from the group consisting of a hydrogen atom, a C.sub.1 -C.sub.8 open chain or cyclo alkyl group, a C.sub.1 -C.sub.8 alkoxyalkyl group, a C.sub.1 -C.sub.8 acyloxyalkyl group, a C.sub.1 -C.sub.8 haloalkyl group, a C.sub.1 -C.sub.8 carboxyalkyl group, an aryl group, and a substituted aryl group, whose substituents are selected from the group consisting of a halogen atom, an O-lower alkyl (C.sub.1 -C.sub.4) group, an O-acyl group, a nitro group, a carboxyl group, and a carboethoxy group; wherein R.sub.1 which may be the same or different, represents any member defined by R above with the proviso that R.sub.1 cannot be a hydrogen atom; and wherein X.sup.- represents a member selected from the group consisting of a halogen atom or any other equivalent anion;

With the further proviso that N and N, respectively cannot represent

trimethylamine and pyridine or quinoline when R represents a hydrogen atom and R.sub.1 represents a methyl group or a phenyl group.

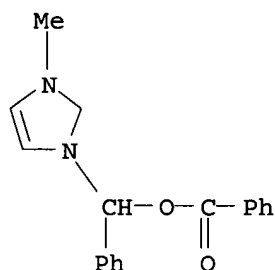
The compounds described above are characterized by their extreme solubility and resistance to oxidation, dealkylation, and protonation prior to chemical and/or enzymatic hydrolysis. Upon chemical and/or enzymatic hydrolysis, these compounds will "cleave," thus releasing their active constituent or constituents, according to the following general scheme(s): ##STR2## In other words, the title compounds hydrolyze (chemically or enzymatically) releasing a tertiary amine or aromatic amine derivative, an aldehyde, a carboxylic acid and a hydrogen halide (HX) per the above reaction scheme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 76:69164 USPATFULL
TI 1-Hydrocarbonoyloxymethyl-3-carbamoyl or 3-carboethoxy-pyridinium salts
IN Bodor, Nicolae S., Lawrence, KS, United States
PA Interx Research Corporation, Lawrence, KS, United States (U.S. corporation)
PI US 3998815 19761221
AI US 1974-482513 19740624 (5)
DT Utility
FS Granted
EXNAM Primary Examiner: Trousof, Natalie; Assistant Examiner: Dentz, Bernard I.
LREP Blitzer, Charles N.
CLMN Number of Claims: 10
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 408

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 58577-54-1P
(prepn. of)
RN 58577-54-1 USPATFULL
CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI)
(CA INDEX NAME)



● Cl⁻

FRAGMENT DIAGRAM IS INCOMPLETE

L4 ANSWER 25 OF 31 USPATFULL
AB Pharmaceutical compositions are produced which comprise combining an antimycotically effective amount of a compound of the formula ##EQU1##

or a pharmaceutically acceptable, nontoxic salt thereof, wherein R.sup.1 is unsubstituted or substituted aryl,

R.sup.2 is hydrogen, alkyl or unsubstituted or substituted aryl,

R.sup.3 is hydrogen, alkyl, cycloalkyl, unsubstituted or substituted aryl or unsubstituted or substituted aralkyl, and

R.sup.4 is hydrogen, alkyl, alkenyl, cycloalkyl, unsubstituted or substituted aryl, or unsubstituted or substituted aralkyl,

Provided that R.sup.3 and R.sup.4 are not both hydrogen atoms, in combination with a pharmaceutically-acceptable, nontoxic, inert diluent or carrier.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

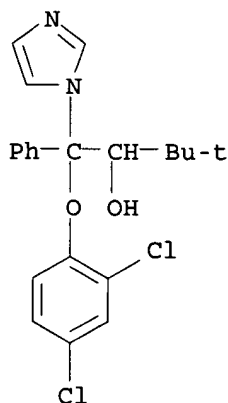
AN 76:38159 USPATFULL
TI Antimycotic compositions
IN Kramer, Wolfgang, Wuppertal, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal, Germany, Federal Republic of
Plempel, Manfred, Wuppertal, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Germany, Federal Republic of (non-U.S.
corporation)
PI US 3968229 19760706
AI US 1974-481660 19740621 (5)
PRAI DE 1973-2333355 19730630
DT Utility
FS Granted
EXNAM Primary Examiner: Goldberg, Jerome D.
CLMN Number of Claims: 36
ECL Exemplary Claim: 19
DRWN No Drawings
LN.CNT 703

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 55362-27-1P

(prepn. of)

RN 55362-27-1 USPATFULL
CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 26 OF 31 USPATFULL

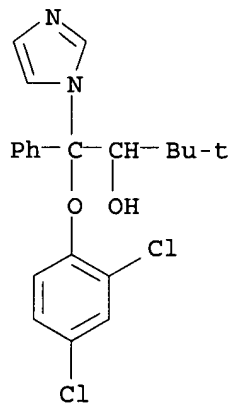
AB Imidazolyls of the formula ##EQU1## in which R.sup.1 is optionally substituted aryl,
R.sup.2 is hydrogen, alkyl or optionally substituted aryl,
R.sup.3 is hydrogen, alkyl, alkenyl, cycloalkyl, optionally substituted aryl or optionally substituted aralkyl, and
R.sup.4 is alkyl, alkenyl, cycloalkyl, optionally substituted aryl or optionally substituted aralkyl,
And their salts, which possess fungicidal and plant growth regulating properties.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 76:10191 USPATFULL
TI 1-Phenoxy-[imidazolyl-(1)]-2-hydroxy-alkanes
IN Kramer, Wolfgang, Wuppertal, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal, Germany, Federal Republic of
Frohberger, Paul-Ernst, Leverkusen, Germany, Federal Republic of
Scheinpflug, Hans, Leverkusen, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)
PI US 3940414 19760224
AI US 1974-480433 19740617 (5)
PRAI DE 1973-2333354 19730630
DT Utility
FS Granted
EXNAM Primary Examiner: Trousof, Natalie
LREP Burgess, Dinklage & Sprung
CLMN Number of Claims: 6
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 660

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 55362-27-1P
(manuf. of fungicidal)
RN 55362-27-1 USPATFULL
CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 27 OF 31 USPATFULL

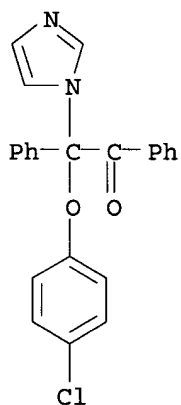
AB Imidazole derivatives of alkyl, cycloalkyl or aryl ketones are antimycotic agents. The compounds, of which 1-imidazolyl-1-(4'-chlorophenoxy)-3,3-dimethylbutan-2-one is a typical embodiment, can be obtained from the corresponding hydroxy or halo ketone through treatment with imidazole.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 75:45071 USPATFULL
TI Imidazolyl ketones for treating mycotic infections
IN Meiser, Werner, Wuppertal-Elberfeld, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal-Elberfeld, Germany, Federal Republic of
Plempel, Manfred, Wuppertal-Elberfeld, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Germany, Federal Republic of (non-U.S.
corporation)
PI US 3903287 19750902
AI US 1973-402050 19731001 (5)
RLI Division of Ser. No. US 1972-219556, filed on 20 Jan 1972, now patented,
Pat. No. US 3812142, issued on 21 May 1974
PRAI DE 1971-2105490 19710205
DT Utility
FS Granted
EXNAM Primary Examiner: Goldberg, Jerome D.
CLMN Number of Claims: 74
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 704

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 38083-26-0P
(prepn. of)
RN 38083-26-0 USPATFULL
CN Ethanone, 2-(4-chlorophenoxy)-2-(1H-imidazol-1-yl)-1,2-diphenyl- (9CI)
(CA INDEX NAME)



L4 ANSWER 28 OF 31 USPATFULL

AB Combating fungi with imidazole derivatives of the formula ##SPC1##

In which

R^{sup.1} and R^{sup.3} each independently is an optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl or aralkyl

radical, and

R.sup.2 is hydrogen or one of the radicals recited for R.sup.1,

X is oxygen or sulfur, and

Y is a keto group or a functional derivative of a keto group,

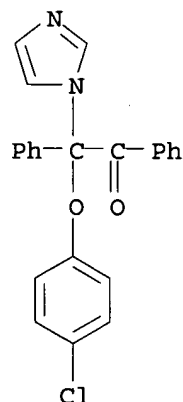
And their salts.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 75:40090 USPATFULL
TI Combating fungi with derivatives of 1-imidazolyl- ethanones-(2)
IN Meiser, Werner, Wuppertal, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal, Germany, Federal Republic of
Kramer, Wolfgang, Wuppertal, Germany, Federal Republic of
Grewe, Ferdinand, Buscheid, Germany, Federal Republic of
Frohberger, Paul-Ernst, Leverkusen, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)
PI US 3898341 19750805
AI US 1974-469938 19740514 (5)
PRAI DE 1973-2325156 19730518
DT Utility
FS Granted
EXNAM Primary Examiner: Meyers, Albert T.; Assistant Examiner: Robinson, D. W.
LREP Burgess, Dinklage & Sprung
CLMN Number of Claims: 8
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 550

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 38083-26-0P
(prepn. and fungicidal activity of)
RN 38083-26-0 USPATFULL
CN Ethanone, 2-(4-chlorophenoxy)-2-(1H-imidazol-1-yl)-1,2-diphenyl- (9CI)
(CA INDEX NAME)



L4 ANSWER 29 OF 31 USPATFULL
AB Phenyl-imidazolylalkanyl derivatives are antimycotic agents. They are prepared by a number of processes including acylation or sulfonylation

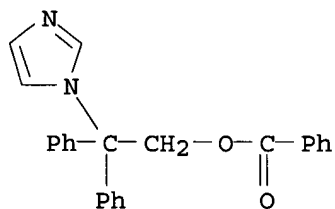
of a phenyl-imidazolylalkanol, treatment of a phenyl-alkanyl-carbinol with a diimidazolyl sulfone, oxidation of a phenyl-imidazolylalkylmercaptan or reduction of a phenyl-imidazolylalkanoate or alkanonitrile. A typical embodiment is 1-(1,1-diphenyl-2-acetoxyethyl)imidazole.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 75:34470 USPATFULL
TI Phenyl-imidazolyl-alkanyl derivatives, their production and use
IN Metzger, Carl, Wuppertal-Elberfeld, Germany, Federal Republic of
Meiser, Werner, Wuppertal-Elberfeld, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal-Elberfeld, Germany, Federal Republic of
Plempel, Manfred, Wuppertal-Elberfeld, Germany, Federal Republic of
PA Farbenfabriken Bayer AG, Germany, Federal Republic of (non-U.S.
corporation)
PI US 3892764 19750701
AI US 1973-346939 19730402 (5)
DCD 19910312
RLI Division of Ser. No. US 1971-172201, filed on 16 Aug 1971, now patented,
Pat. No. US 3796704, issued on 12 Mar 1974
PRAI DE 1970-2041771 19700822
DT Utility
FS Granted
EXNAM Primary Examiner: Trousof, Natalie
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 970

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

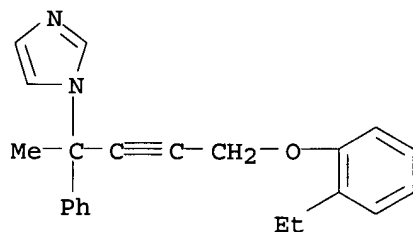
IT 35988-55-7P
(prepn. of)
RN 35988-55-7 USPATFULL
CN 1H-Imidazole-1-ethanol, .beta.,.beta.-diphenyl-, benzoate (ester) (9CI)
(CA INDEX NAME)



L4 ANSWER 30 OF 31 USPATFULL
AB 3-PHENYL-3-AZOLYLPROPYNES BEARING A LOWER ALKYL OR ARYL GROUP IN THE 3-POSITION AND OPTIONALLY SUBSTITUTED IN THE 1-POSITION BY HALOGENO, LOWER ALKYL, ARYL OR CERTAIN SUBSTITUTED LOWER ALKYL GROUPS ARE PREPARED BY TREATING THE CORRESPONDING 3-HYDROXYPROPYNE WITH A THIONYL BISAZOLE. Certain of the 1-substituted compounds can be prepared through substitution reactions utilizing the lithium salt. The compounds and their salts, of which 3,3-diphenyl-3-[imidazolyl-(1)]-propyne is a typical embodiment, are antimycotic agents and can be employed alone or in the form of pharmaceutical compositions in the treatment of mycotic infections in animals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 75:12448 USPATFULL
TI DERIVATIVES OF 3-AZOLYLPROPYNE AND PROCESSES FOR THEIR PREPARATION AND USE
IN Jager, Gerhard, Wuppertal-Elberfeld, Germany, Federal Republic of
Plempel, Manfred, Wuppertal-Elberfeld, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal-Elberfeld, Germany, Federal Republic of
PA Farbenfabriken Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of (non-U.S. corporation)
PI US 3870726 19750311
AI US 1973-348581 19730406 (5)
RLI Continuation of Ser. No. US 1971-177843, filed on 3 Sep 1971, now abandoned
PRAI DE 1970-2044621 19700909
DT Utility
FS Granted
EXNAM Primary Examiner: Randolph, John D.
CLMN Number of Claims: 24
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 745
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT 36698-25-6P
(prepn. of)
RN 36698-25-6 USPATFULL
CN 1H-Imidazole, 1-[4-(2-ethylphenoxy)-1-methyl-1-phenyl-2-butyrynyl]- (9CI)
(CA INDEX NAME)



L4 ANSWER 31 OF 31 USPATFULL
AB Fungicidal and bactericidal compositions comprising, and methods of combating fungi and bacteria using 3-azolypropynes of the general formula ##SPC1##

In which

R.sup.1 is hydrogen, chlorine, bromine, iodine, alkyl, an optionally substituted aryl, aryloxyalkyl, arylthioalkyl, arylaminoalkyl or arylalkylaminoalkyl group, alkoxyalkyl, alkylmercaptoalkyl, alkylaminoalkyl, or dialkylaminoalkyl wherein the two alkyl radicals of the dialkylamino moiety may form, with the amine nitrogen atom, a five-membered to seven-membered ring that may contain at least one further hetero-atom or hetero-group,

R.sup.2 is alkyl, optionally substituted cycloalkyl or optionally substituted aryl,

R.sup.3, R.sup.4 and R.sup.5 each independently is hydrogen, alkyl, alkoxy, alkylmercapto or an electronegative substituent, and

Az represents an optionally substituted five-membered heterocyclic radical containing one or more nitrogen atoms,

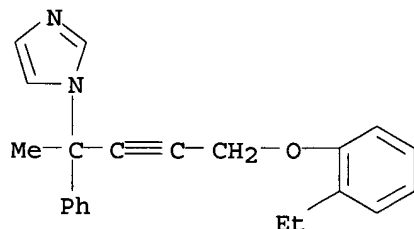
Or their salts.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 74:39956 USPATFULL
TI 3-AZOLYLPROPYNE FUNGICIDAL AGENTS
IN Jager, Gerhard, Wuppertal-Elberfeld, Germany, Federal Republic of
Buchel, Karl Heinz, Wuppertal-Elberfeld, Germany, Federal Republic of
Grewe, Ferdinand, Burscheid, Germany, Federal Republic of
Frohberger, Paul-Ernst, Leverkusen, Germany, Federal Republic of
PA Bayer Aktiengesellschaft, Leverkusen, Germany, Federal Republic of
(non-U.S. corporation)
PI US 3832466 19740827
AI US 1972-257365 19720526 (5)
PRAI DE 1971-2128700 19710609
DT Utility
FS Granted
EXNAM Primary Examiner: Meyers, Albert T.; Assistant Examiner: Robinson, D. W.
LREP Burgess, Dinklage & Sprung
CLMN Number of Claims: 9
DRWN No Drawings
LN.CNT 512

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 36698-25-6
(fungicides)
RN 36698-25-6 USPATFULL
CN 1H-Imidazole, 1-[4-(2-ethylphenoxy)-1-methyl-1-phenyl-2-butyryl] - (9CI)
(CA INDEX NAME)



=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

177.11

317.60

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FILE LAST UPDATED: 17 Sep 2002 (20020917/ED)

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information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

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FILE 'REGISTRY' ENTERED AT 18:55:42 ON 18 SEP 2002

L1 STRUCTURE UPLOADED
L2 3 S L1
L3 320 S L1 FUL

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L4 31 S L3

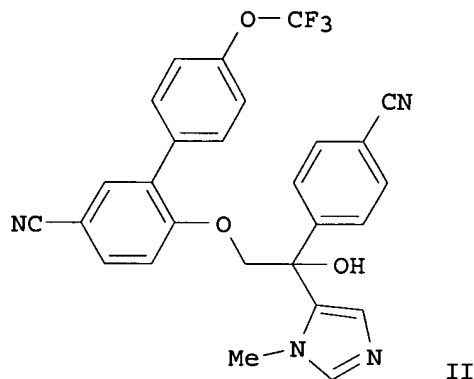
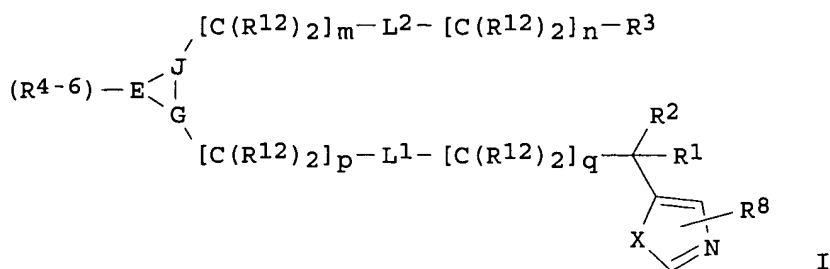
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=> s l3

L5 30 L3

=> d abs bib fhitstr 1-30

L5 ANSWER 1 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB Substituted imidazoles and thiazoles I and their therapeutically acceptable salts are useful for inhibiting farnesyltransferase [wherein E = 5-, 6-, or 7-membered (non)arom. carbocyclic ring with 0-3 atoms optionally replaced by N; J, G = C, N, with proviso that when 1 of J and G = N, the other = C; L¹, L² = bond, C2-alkenylene, C2-alkynylene, O, NR⁹, C(O), S, S(O), SO₂, SO₂NR⁹, NR⁹SO₂, C(O)NR⁹, NR⁹C(O), and CO₂; X = S, NR⁷; R¹ = aryl, arylalkyl, heterocyclyl, heterocyclalkyl; R² = H, alkoxy, alkyl, amino, aminoalkyl, cyano, cyanoalkyl, cycloalkyl, cycloalkylalkyl, halo, haloalkyl, heterocyclyl, heterocyclalkyl, OH, hydroxyalkyl; R³ = aryl, heterocyclyl, cycloalkyl; R⁴⁻⁶ = H, NR⁹C(O), C(O)NR⁹, alkanoyl, alkenyl, alkoxy, alkoxyalkyl, alkyl, alkylsulfonyl, alkynyl, amido, amino, aminoalkyl, aminosulfonyl, aryl, arylalkyl, aryloxy, arylsulfonyl, N₃, CO₂H, cyano, cyanoalkyl, cycloalkyl, cycloalkylalkyl, halo, haloalkoxy, haloalkyl, heterocyclyl, heterocyclalkyl, OH, hydroxyalkyl, NO₂, nitroalkyl, oxo, thio(oxo); R⁷ = H, alkyl, aryl, cycloalkyl, cycloalkylalkyl, heterocyclyl, heterocyclalkyl, and trialkylsilyl; R⁸ = undefined; R⁹ = H, alkoxyalkyl, alkyl, amidoalkyl, aminoalkyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, carboxyalkyl, heterocyclyl, heterocyclalkyl, hydroxyalkyl, and N-protecting group; R¹² = H, alkoxy, alkyl, amino, halo, OH; m, n, p, q = 0, 1, 2, 3 or 4]. Also disclosed are farnesyltransferase-inhibiting compns. and methods of inhibiting farnesyltransferase in a patient. Over 90 compds. were prepd., claimed, and tested, and numerous intermediates were prepd. For instance, Et (4-cyanophenyl)oxoacetate was transesterified with (1R,2S,5R)-(-)-menthol, and the resultant keto ester was stereoselectively arylated at carbonyl by the iodozinc deriv. of 5-iodo-1-methyl-1H-imidazole with 97.4% diastereomeric excess. Menthol was cleaved by redn. of the ester with LiBH₄, and the obtained diol (single enantiomer) underwent aryl fluoride etherification of the primary alc. with 4-fluoro-3-bromobenzonitrile, followed by Pd-catalyzed coupling of the bromide with 4-CF₃OC₆H₄B(OH)₂, to give title compd. (S)-II. This compd. inhibited rat brain

farnesyltransferase in vitro with 90% inhibition at 10⁻⁹ M, vs. 97% by
 (.+-.)-II at 10⁻⁸ M.
 AN 2002:638284 CAPLUS
 TI Imidazole and thiazole derivatives of benzonitrile as farnesyltransferase
 inhibitors, and their preparation and use for the treatment of cancer.
 IN Claiborne, Akiyo K.; Gwaltney,, Stephen L.; Hasvold, Lisa A.; Li, Qun; Li,
 Tongmei; Lin, Nan-horng; Mantel, Robert A.; Rockway, Todd W.; Sham, Hing
 L.; Sullivan, Gerard M.; Tong, Yunsong; Wang, Gary; Wang, Le; Wang, Xilu;
 Wang, Wei-bo
 PA USA
 SO U.S. Pat. Appl. Publ., 48 pp., Cont.-in-part of U.S. Ser. No. 727,230,
 abandoned.
 CODEN: USXXCO
 DT Patent
 LA English

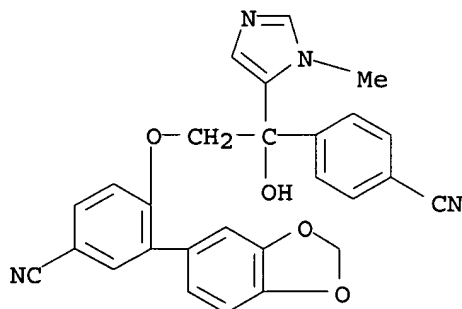
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002115640	A1	20020822	US 2001-912677	20010725
PRAI	US 2000-727230	B2	20001130		
IT	450837-81-7P				

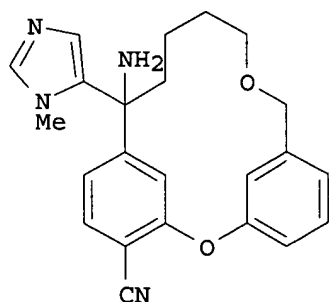
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic
 preparation); THU (Therapeutic use); BIOL (Biological study); PREP
 (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug candidate; prepn. of imidazole and thiazole derivs. of
 benzonitrile as farnesyltransferase inhibitors for treatment of cancer)

RN 450837-81-7 CAPLUS

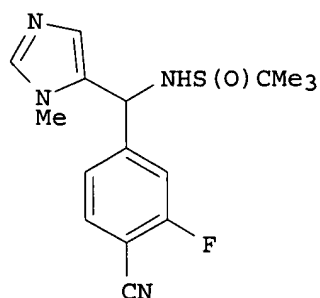
CN Benzonitrile, 3-(1,3-benzodioxol-5-yl)-4-[2-(4-cyanophenyl)-2-hydroxy-2-(1-
 methyl-1H-imidazol-5-yl)ethoxy]- (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 30 CAPLUS COPYRIGHT 2002 ACS
 GI



I



II

AB Peptidomimetic macrocyclic compds. which inhibit prenyl-protein transferase and the prenylation of the oncogene protein Ras were prepd. Thus, both enantiomers of the dioxatricyclohexacosahexaene I were prepd. via reaction of the propanesulfinamide enantiomers with Br(CH₂)₄OCH₂C₆H₄OCMe₃-3, deblocking, and cyclization. I had IC₅₀ .1toeq. 5 .mu.M for the inhibition of Ras farnesyl transferase.

AN 2002:556102 CAPLUS

DN 137:125186

TI Imidazole-substituted macrocyclic compounds as inhibitors of prenyl-protein transferase

IN Desolms, S. Jane; Stokker, Gerald E.; Shaw, Anthony W.

PA USA

SO U.S. Pat. Appl. Publ., 64 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002099007	A1	20020725	US 2001-757217	20010109
PRAI	US 2000-175801P	P	20000112		
OS	MARPAT 137:125186				
IT	443955-08-6P				

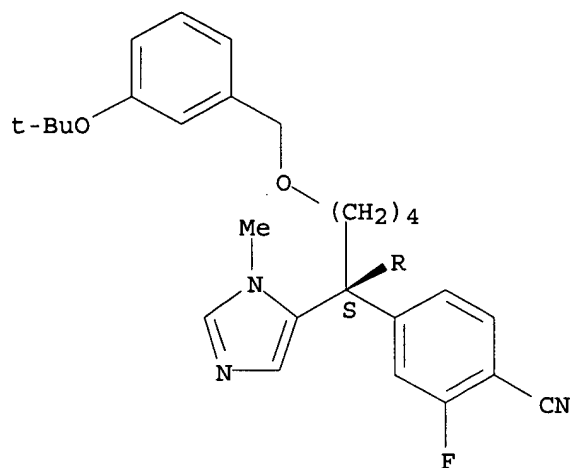
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. of imidazole-substituted macrocyclic compds. as inhibitors of prenyl-protein transferase)

RN 443955-08-6 CAPLUS

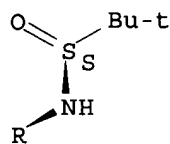
CN 2-Propanesulfinamide, N-[(1R)-1-(4-cyano-3-fluorophenyl)-5-[[3-(1,1-dimethylethoxy)phenyl]methoxy]-1-(1-methyl-1H-imidazol-5-yl)pentyl]-2-methyl-, [S(R)]rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

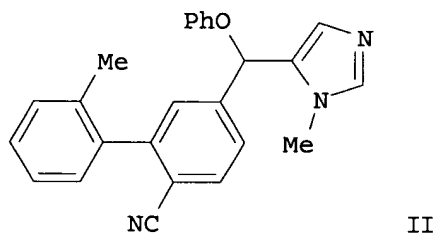
PAGE 1-A



PAGE 2-A



L5 ANSWER 3 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



II

AB Title compds. (I) were prepd. Thus, 2-MeC₆H₄C₆H₃(CN)(CHO)-2,5 was condensed with 1-methyl-2-triethylsilyl-1H-imidazole (prepn. each given) and the product O-arylated to give title compd. II. Data for biol. activity of I were given.

AN 2002:123617 CAPLUS

DN 136:183819

TI Preparation of (imidazolylalkyl)biphenylcarbonitriles and analogs as farnesyltransferase inhibitors

IN Wang, Wei-Bo; Curtin, Michael L.; Fakhoury, Stephen A.; Gwaltney, Stephen L.; Hasvold, Lisa A.; Hutchins, Charles W.; Li, Qun; Lin, Nan-Horng; Nelson, Lissa Taka Jennings; O'Connor, Steve; Sham, Hing L.; Sullivan,

Gerard M.; Wang, Gary T.; Wang, Xilu
 PA USA
 SO U.S. Pat. Appl. Publ., 189 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

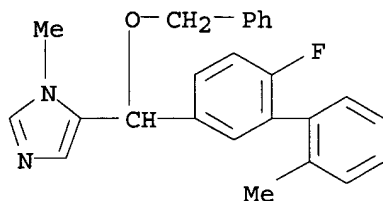
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002019527	A1	20020214	US 2001-842391	20010425
PRAI	US 2000-200165P	P	20000427		
OS	MARPAT 136:183819				
IT	371761-23-8P				

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of (imidazolylalkyl)biphenylcarbonitriles and analogs as farnesyltransferase inhibitors)

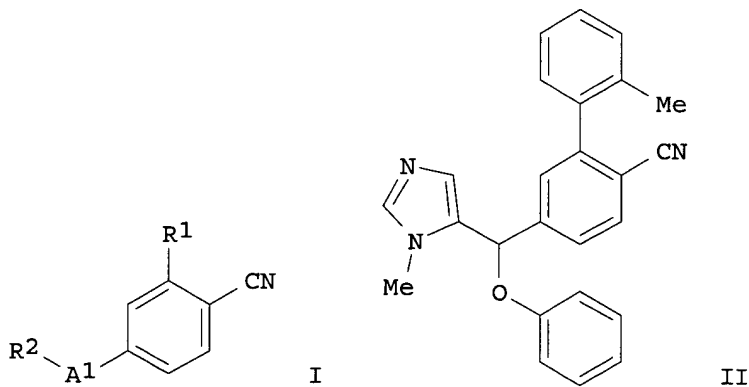
RN 371761-23-8 CAPLUS

CN 1H-Imidazole, 5-[(6-fluoro-2'-methyl[1,1'-biphenyl]-3-yl)(phenylmethoxy)methyl]-1-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 4 OF 30 CAPLUS COPYRIGHT 2002 ACS
 GI



AB The title compds. [I; A1 = (un)substituted alkylene, etc.; R1 = halo, cycloalkyl, aryl, heteroaryl; R2 = heteroaryl selected from imidazolyl, pyrazolyl, pyrrolyl, etc.] and their pharmaceutically acceptable salts which farnesyltransferase, were prepd. E.g., 3-step synthesis of the benzonitrile II.HCl which 88% inhibition of farnesyltransferase at 10⁻⁶ M, was given.

AN 2001:798200 CAPLUS

DN 135:344482

TI Preparation of substituted 4-(heteroarylmethyl)benzonitriles as farnesyltransferase inhibitors

IN Wang, Wei-Bo; Curtin, Michael L.; Fakhoury, Stephen A.; Gwaltney, Stephen L., II; Hasvold, Lisa A.; Hutchins, Charles W.; Li, Qui; Lin, Nan-Horng; Jennings Nelson, Lissa Taka; O'Connor, Stephen J.; Sham, Hing L.; Sullivan, Gerald M.; Wang, Gary T.; Wang, Xilu

PA Abbott Laboratories, USA

SO PCT Int. Appl., 305 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001081316	A2	20011101	WO 2001-US13678	20010425
	WO 2001081316	A3	20020523		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			

PRAI US 2000-563256 A 20000427

US 2001-822205 A 20010402

OS MARPAT 135:344482

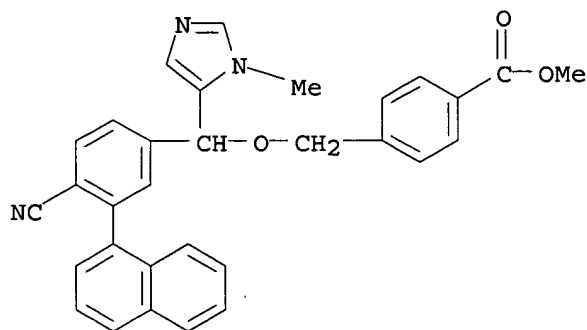
IT 371761-88-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(prepn. of substituted 4-(heteroarylmethyl)benzonitriles as farnesyltransferase inhibitors)

RN 371761-88-5 CAPLUS

CN Benzoic acid, 4-[[[4-cyano-3-(1-naphthalenyl)phenyl](1-methyl-1H-imidazol-5-yl)methoxy]methyl]-, methyl ester, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 5 OF 30 CAPLUS COPYRIGHT 2002 ACS
 AB The present invention is directed to peptidomimetic macrocyclic compds. which inhibit prenyl-protein transferase and the prenylation of the oncogene protein Ras. The invention is further directed to chemotherapeutic compns. contg. the compds. of this invention and methods for inhibiting prenyl-protein transferase and the prenylation of the oncogene protein Ras.
 AN 2001:525969 CAPLUS
 DN 135:132423
 TI Macrocyclic peptidomimetic inhibitors of prenyl-protein transferase for inhibiting prenylation of Ras oncoprotein
 IN Desolms, S. Jane; Stokker, Gerald E.; Shaw, Anthony W.
 PA Merck + Co., Inc., USA
 SO PCT Int. Appl., 177 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 2

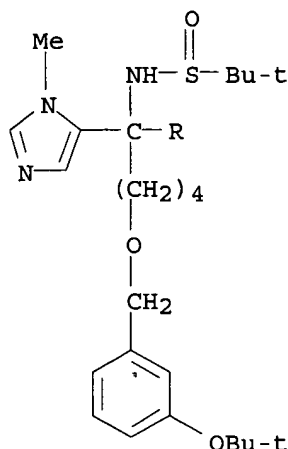
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001051127	A1	20010719	WO 2001-US634	20010109

PI W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

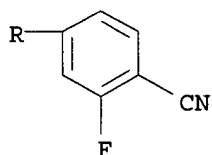
PRAI US 2000-175801P P 20000112
 OS MARPAT 135:132423
 IT 350689-03-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (macrocyclic peptidomimetic inhibitors of prenyl-protein transferase for inhibiting prenylation of Ras oncoprotein)
 RN 350689-03-1 CAPLUS
 CN 2-Propanesulfinamide, N-[1-(4-cyano-3-fluorophenyl)-5-[[3-(1,1-dimethylethoxy)phenyl]methoxy]-1-(1-methyl-1H-imidazol-5-yl)pentyl]-2-

methyl- (9CI) (CA INDEX NAME)

PAGE 1-A

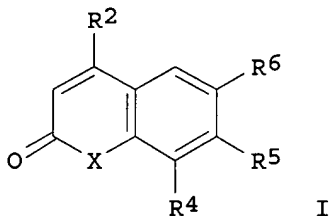


PAGE 2-A



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB The title compds. I [X = NR₃, O; R₂ = alkyl, alkenyl, aryl, substituted aryl, aralkyl, substituted aralkyl, heteroaryl, substituted heteroaryl, heteroaralkyl; R₄ = hydrogen, alkyl, alkenyl, aryl, substituted aryl, aralkyl, substituted aralkyl, heteroaralkyl; one of R₅ and R₆ = H, and the other is OR₁], useful for treating cancer and treating or preventing restenosis or atherosclerosis, were prepd. E.g., 4-(3-chlorophenyl)-6-(2-imidazol-1-yl-1-phenylethoxy)-1-methyl-1H-quinolin-2-one was prepd.
AN 2000:785903 CAPLUS

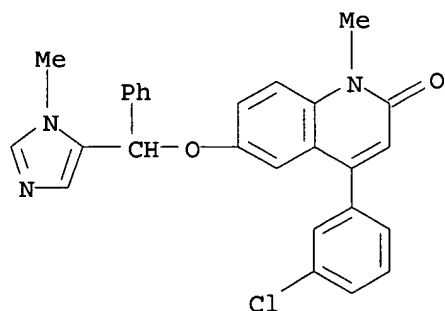
DN 133:335168
 TI Preparation of benzopyranones and quinolones as inhibitors of ras farnesyl transferase
 IN Kaltenbronn, James Stanley; Leonard, Daniele Marie; Repine, Joseph Thomas
 PA Warner-Lambert Co., USA
 SO U.S., 20 pp.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6143766	A	20001107	US 2000-488437	20000120
PRAI	US 1999-129586P	P	19990416		
OS	MARPAT 133:335168				
IT	303999-02-2P				

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of benzopyranones and quinolones as inhibitors of ras farnesyl transferase)

RN 303999-02-2 CAPLUS

CN 2(1H)-Quinolinone, 4-(3-chlorophenyl)-1-methyl-6-[(1-methyl-1H-imidazol-5-yl)phenylmethoxy]- (9CI) (CA INDEX NAME)



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 30 CAPLUS COPYRIGHT 2002 ACS

AB R4C(:X)NR3ZCRR1R2 [I; R = pyrrolyl, imidazolyl, triazolyl, pyridinyl, etc.; R1 = H, OH, alkyl, aryl; R2 = H, (un)substituted alkyl, (hetero)aryl, etc.; R3 = H, (ar)alkyl, (hetero)aryl, etc.; R4 = H, OH, (un)substituted alkyl, alkoxy, etc.; X = O, S, NR3; Z = 1,4-phenylene] were prepd. Thus, 4-(AChN)C6H4CHRCMe2 (II; R = OH) was O-mesylated and the product condensed with 1H-1,2,4-triazole to give II (R = 1H-1,2,4-triazol-1-yl). Data for biol. activity of I were given.

AN 1999:388171 CAPLUS

DN 131:44827

TI Preparation of N-[(imidazolyl- and triazolylalkyl)phenyl]acetamides and analogs as retinoid metabolism inhibitors

IN Mabire, Dominique; Adelinet, Christophe Denis; Csoka, Imre Christian; Venet, Marc Gaston

PA Janssen Pharmaceutica N.V., Belg.

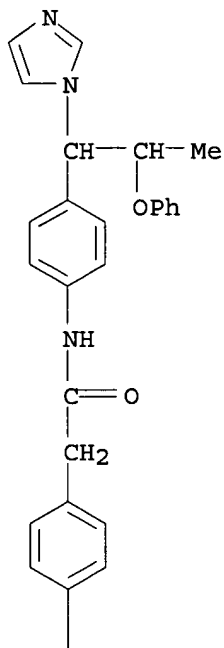
SO PCT Int. Appl., 75 pp.

CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9929674	A1	19990617	WO 1998-EP8126	19981208
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	CA 2312720	AA	19990617	CA 1998-2312720	19981208
	AU 9921608	A1	19990628	AU 1999-21608	19981208
	EP 1037880	A1	20000927	EP 1998-965820	19981208
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	JP 2001525400	T2	20011211	JP 2000-524271	19981208
	ZA 9811351	A	20000612	ZA 1998-11351	19981210
	US 6319939	B1	20011120	US 2000-555775	20000601
	US 2002115653	A1	20020822	US 2001-962551	20010925
PRAI	EP 1997-203886	A	19971211		
	WO 1998-EP8126	W	19981208		
	US 2000-555775	A3	20000601		
OS	MARPAT 131:44827				
IT	227282-79-3P				
	RL:	BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)			
		(prepn. of N-[(imidazolyl- and triazolylalkyl)phenyl]acetamides and analogs as retinoid metab. inhibitors)			
RN	227282-79-3	CAPLUS			
CN	Benzeneacetamide, 4-chloro-N-[4-[1-(1H-imidazol-1-yl)-2-phenoxypropyl]phenyl]- (9CI) (CA INDEX NAME)				

PAGE 1-A

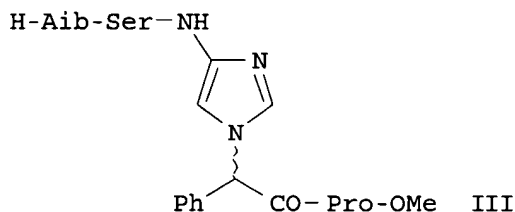
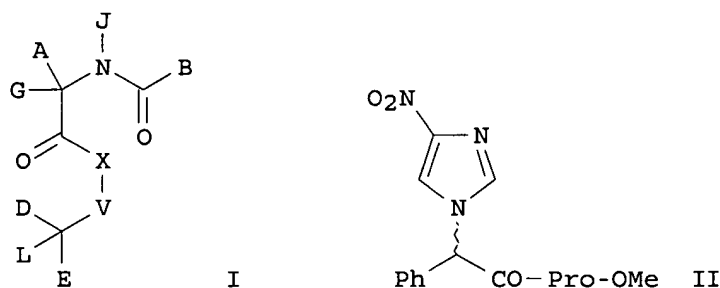


PAGE 2-A



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB This invention relates to novel title compds. I [A = C1-6 alkyl, aryl, C1-6 alkylaryl, C1-6 alkyl-O-C1-6 alkylaryl, C1-6 alkyl-S-C1-6 alkylaryl, indolyl, indolinyl, thienyl, C1-6 alkylthienyl, benzothienyl, benzofuranyl, naphthyl, cyclohexyl, etc.; B = NH₂, substituted amino, alkylamino, alkylcycloalkylamino, nitrogen heterocycle; X = C1-6 alkylidenyl, O, S, NH, N-C1-6 alkyl; V = C₆H₄, nitrogen-contg. heterocycle; D = any group A, C1-6 alkyl-SO₂-aryl, C1-6 alkyl-SO₂-C1-6 alkyl; E = H, any group A, CO-C1-6 alkyl, aryl-CONH₂, etc.; or D and E form indanyl, fluorenyl, or cycloalkyl ring; G = H, C1-6 alkyl, aryl, C1-6 alkylaryl, C1-6 alkenyl; J = H, C1-6 alkyl, aryl, C1-6 alkylaryl; L = H, C1-6 alkyl, CO₂-C1-6 alkyl, aryl, C1-6 alkylaryl, CO₂-C1-6 alkylaryl, C1-6 alkenyl, F, CN, C1-6 alkyl-OH, C1-6 alkyl-O-C1-6 alkyl, etc.] and pharmaceutically acceptable salts and hydrates thereof, which are useful in the modulation of endogenous growth hormone levels in a mammal. The invention further relates to novel intermediates for use in the synthesis of said compds., as well as novel processes employed in these syntheses. Also included are methods of treating a mammal which include the administration of said compds. Thus, catalytic redn. of nitroimidazole dipeptide II (prepn. given), followed by sequential peptide coupling with Boc-Ser(CH₂Ph)-OH and Boc-Aib-OH (Aib = .alpha.-aminoisobutyric acid) and deprotection, gave desired peptide deriv. III. III showed EC₅₀ = 2.39 mM in a pituitary cell culture assay for growth hormone secretion.

AN 1999:141228 CAPLUS

DN 130:182769

TI Preparation of heterocyclic peptide derivatives as growth hormone secretagogues

IN Dodge, Jeffrey Alan; Hauser, Kenneth Lee; Heiman, Mark Louis; Jones, Scott Alan; Alt, Charles Arthur; Bryant, Henry Uhlman; Cohen, Jeffrey Daniel; Copp, James Densmore; Fahey, Kennan Joseph; Gritton, William Harlan; Jungheim, Louis Nickolaus; Kennedy, Joseph Henry; Lugar, Charles Willis, III; Muehl, Brian Stephen; Palkowitz, Alan David; Ratz, Andrew Michael; Rhodes, Gary Anthony; Robey, Robert Lewis; Seyler, David Edward; Shepherd, Timothy Alan; Thrasher, Kenneth Jeff; Trankle, William George

PA Eli Lilly and Compay, USA

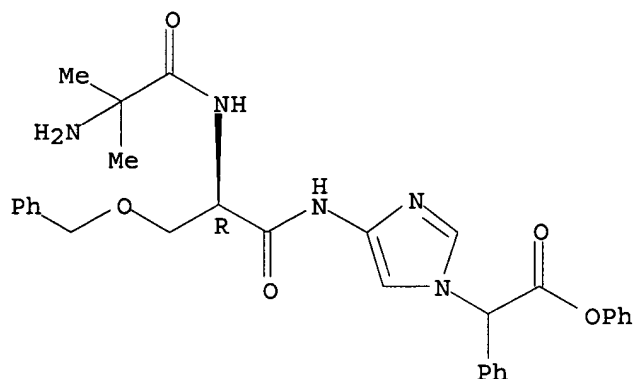
SO PCT Int. Appl., 876 pp.

CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9908699	A1	19990225	WO 1998-US17229	19980819
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	EP 933365	A2	19990804	EP 1998-306622	19980818
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	CA 2302467	AA	19990225	CA 1998-2302467	19980819
	AU 9890256	A1	19990308	AU 1998-90256	19980819
	AU 738204	B2	20010913		
	BR 9811948	A	20000822	BR 1998-11948	19980819
	JP 2001515046	T2	20010918	JP 2000-509436	19980819
	WO 2000010565	A1	20000302	WO 1999-US3525	19990219
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	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	AU 9926868	A1	20000314	AU 1999-26868	19990219
	EP 1112071	A1	20010704	EP 1999-907136	19990219
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	JP 2002523368	T2	20020730	JP 2000-565886	19990219
	NO 2000000823	A	20000412	NO 2000-823	20000218
PRAI	US 1997-56142P	P	19970819		
	EP 1998-306621	A	19980818		
	EP 1998-306622	A	19980818		
	WO 1998-US17229	W	19980819		
	WO 1999-US3525	W	19990219		
OS	MARPAT 130:182769				
IT	220538-68-1P				
	RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(prepn. of heterocyclic peptide derivs. as growth hormone secretagogues)				
RN	220538-68-1 CAPLUS				
CN	D-Serinamide, 2-methylalanyl-N-[1-(2-oxo-2-phenoxy-1-phenylethyl)-1H-imidazol-4-yl]-O-(phenylmethyl)-, dihydrochloride (9CI) (CA INDEX NAME)				

Absolute stereochemistry.



●2 HCl

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title compds. [I; A = alkyl, aryl, alkylaryl, etc.; B = NH₂, alkylNH₂, alkylarylNH₂, etc.; X = alkylidenyl, O, S, etc.; V = II-IV, etc.; D = H, alkyl, alkylOC(O)alkyl, etc.; E = H, alkyl, aryl, etc.; DE = indanyl, fluorenyl, cycloalkyl; G = H, alkyl, aryl, etc.; J = H, alkyl, aryl, alkylaryl; L = H, alkyl, aryl, etc.] and their pharmaceutically acceptable salts, useful for the modulation of cardiac function by the administration of a growth hormone secretagogue, which results in an increase in the levels of endogenous growth hormone, were prepd. and formulated. E.g., a multi-step synthesis of V which showed EC₅₀ of 5.53 .mu.M against GH secretion, was given. Further provided are methods for the treatment of congestive heart failure by the administration of a growth hormone secretagogue in combination with a growth hormone releasing hormone, or in combination with an antihypertensive agent, diuretic, or other suitable agents.

AN 1999:141226 CAPLUS

DN 130:209977

TI Treatment of congestive heart failure with growth hormone secretagogues

IN Kauffman, Raymond Francis; Palkowitz, Alan David

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 775 pp.

CODEN: PIXXD2

DT Patent

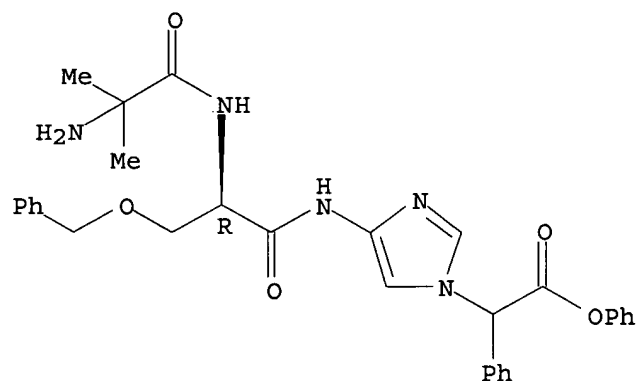
LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9908697	A1	19990225	WO 1998-US17201	19980819
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,				

DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 EP 898963 A2 19990303 EP 1998-306621 19980818
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
 BR 9803168 A 20000111 BR 1998-3168 19980818
 CA 2300848 AA 19990225 CA 1998-2300848 19980819
 AU 9894715 A1 19990308 AU 1998-94715 19980819
 JP 2001515045 T2 20010918 JP 2000-509434 19980819
 JP 2002523368 T2 20020730 JP 2000-565886 19990219
 US 6329342 B1 20011211 US 2000-485924 20000218
 PRAI US 1997-56135P P 19970819
 WO 1998-US17201 W 19980819
 WO 1999-US3525 W 19990219
 OS MARPAT 130:209977
 IT 220538-68-1P
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (treatment of congestive heart failure with growth hormone secretagogues)
 RN 220538-68-1 CAPLUS
 CN D-Serinamide, 2-methylalanyl-N-[1-(2-oxo-2-phenoxy-1-phenylethyl)-1H-imidazol-4-yl]-O-(phenylmethyl)-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 2 HCl

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 30 CAPLUS COPYRIGHT 2002 ACS
 AB 4-RNR3C6H4CR1R2(Het) [I, R = mono- or bicyclic heterocyclyl; R1 = H, hydroxy, C1-6alkyl or aryl; R2 = H, optionally substituted C1-12alkyl, C3-7cycloalkyl, C2-8alkenyl, optionally substituted pyrrolidinyl or aryl;

R3 = H, optionally substituted C1-6alkyl or aryl; Het is an optionally substituted unsatd. heterocycle selected from imidazolyl, triazolyl, tetrazolyl, and pyridinyl and their N-oxides or salts were prepd. E.g., reaction of 4-(2-benzothiazolylamino)-.alpha.-(1-ethylpropyl)benzenemethanol methanesulfonate with 1H-1,2,4-triazole gave N-[4-[2-ethyl-1-(1H-1,2,4-triazol-1-yl)butyl]phenyl]-2-benzothiazolamine. The inhibitory activity of I on the metab. of retinoic acid in human breast cancer cells was investigated. I were also effective in suppressing induced vaginal keratinization effects in ovariectomized rates.

AN 1998:42399 CAPLUS

DN 128:102083

TI Preparation of N-[4-(heteroarylmethyl)phenyl]heteroarylamines as inhibitors of retinoic acid metabolism

IN Venet, Marc Gaston; Mabire, Dominique Jean-pierre; Lacrampe, Jean Fernand Armand; Sanz, Gerard Charles

PA Janssen Pharmaceutica N.V., Belg.; Venet, Marc Gaston; Mabire, Dominique Jean-Pierre; Lacrampe, Jean Fernand Armand; Sanz, Gerard Charles

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9749704	A1	19971231	WO 1997-EP3248	19970619
	W: AL, AM, AU, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	CA 2258165	AA	19971231	CA 1997-2258165	19970619
	AU 9734356	A1	19980114	AU 1997-34356	19970619
	AU 711575	B2	19991014		
	EP 907650	A1	19990414	EP 1997-930378	19970619
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO				
	CN 1223654	A	19990721	CN 1997-195865	19970619
	BR 9710002	A	19990810	BR 1997-10002	19970619
	JP 2000503670	T2	20000328	JP 1998-502321	19970619
	IL 127740	A1	20010913	IL 1997-127740	19970619
	ZA 9705698	A	19990120	ZA 1997-5698	19970626
	KR 2000016196	A	20000325	KR 1998-709764	19981130
	NO 9806017	A	19990219	NO 1998-6017	19981221
	US 6124330	A	20000926	US 1999-214080	19990429
PRAI	EP 1996-201781	A	19960627		
	WO 1997-EP3248	W	19970619		

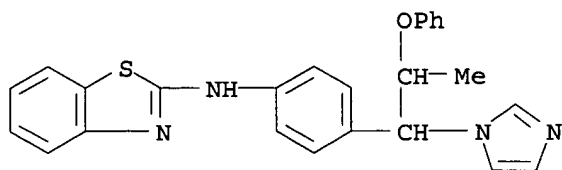
OS MARPAT 128:102083

IT 201410-91-5P

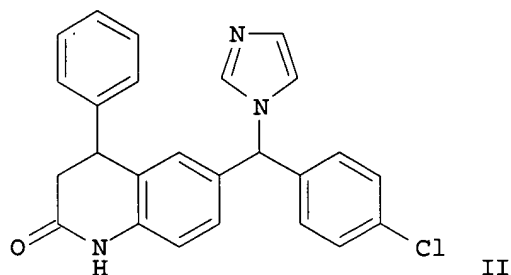
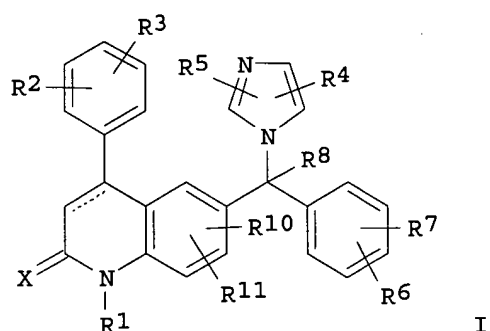
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of N-[(heteroarylmethyl)phenyl]heteroarylamines as inhibitors of retinoic acid metab.)

RN 201410-91-5 CAPLUS

CN 2-Benzothiazolamine, N-[4-[1-(1H-imidazol-1-yl)-2-phenoxypropyl]phenyl]-(9CI) (CA INDEX NAME)



L5 ANSWER 11 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB The invention concerns compds. I and their stereoisomers and pharmaceutically acceptable acid or base addn. salts [wherein dotted line = optional pi bond; X = O, S; R1-R11 = H, variety of substituents; adjacent R2R3 may form a bivalent radical]. I are inhibitors of farnesyl protein transferase (FPT), and are thus useful as inhibitors of tumors, other malignant and benign proliferative diseases, and angiogenesis. For instance, 3,4-dihydro-4-phenyl-2(1H)-quinolinone was acylated by 4-ClC6H4CO2H and polyphosphoric acid. The resulting ketone was reduced to an alc. with NaBH4, and the alc. was treated with NaH and 1,1'-carbonylbis-1H-imidazole to give title compd. II. Selected I had IC50 values of 0.0034-3.2 .mu.M for inhibition of FPT in vitro. In a ras-transformed cell phenotype reversion assay, selected I had IC50 values as low as 53 nM.

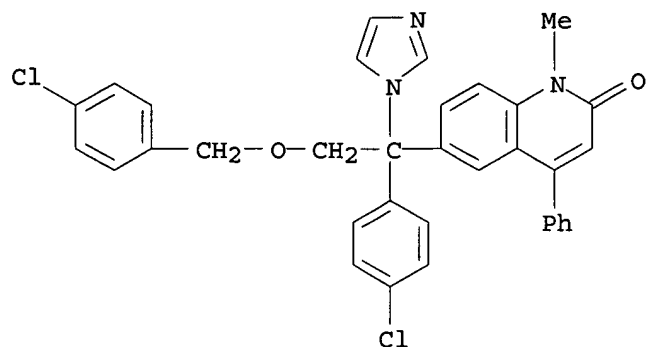
AN 1997:421302 CAPLUS

DN 127:34143

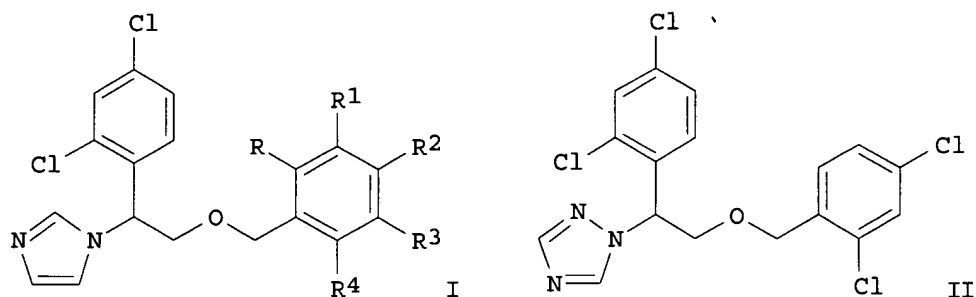
TI Farnesyl transferase inhibiting 2-quinolone derivatives

IN End, David William; Venet, Marc Gaston; Angibaud, Patrick Rene; Sanz, Gerard Charles
 PA Janssen Pharmaceutica N.V., Belg.; End, David William; Venet, Marc Gaston; Angibaud, Patrick Rene; Sanz, Gerard Charles
 SO PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9716443	A1	19970509	WO 1996-EP4661	19961025
	W: AL, AM, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KG, KR, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9674933	A1	19970522	AU 1996-74933	19961025
	AU 712435	B2	19991104		
	CN 1200732	A	19981202	CN 1996-197917	19961025
	JP 11514635	T2	19991214	JP 1996-517051	19961025
	EP 1019395	A1	20000719	EP 1996-937249	19961025
	EP 1019395	B1	20020130		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO				
	EP 1106610	A1	20010613	EP 2001-200450	19961025
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, LT, LV, FI, RO				
	AT 212627	E	20020215	AT 1996-937249	19961025
	ZA 9609087	A	19980429	ZA 1996-9087	19961029
	NO 9800928	A	19980429	NO 1998-928	19980304
	US 5968952	A	19991019	US 1998-66441	19980429
PRAI	EP 1995-202945	A	19951031		
	EP 1996-937249	A3	19961025		
	WO 1996-EP4661	W	19961025		
OS	MARPAT 127:34143				
IT	190898-15-8P				
	RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(prepn. of quinolone derivs. as farnesyl transferase inhibitors)				
RN	190898-15-8 CAPLUS				
CN	2(1H)-Quinolinone, 6-[1-(4-chlorophenyl)-2-[(4-chlorophenyl)methoxy]-1-(1H-imidazol-1-yl)ethyl]-1-methyl-4-phenyl- (9CI) (CA INDEX NAME)				



L5 ANSWER 12 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB The synthesis of 1-(1H-imidazol-1-yl)-1-(2,4-dichlorophenyl)-2-(2,4-dichlorobenzoyloxy)ethane (iso-miconazole) and related derivs. I (R = H, Cl, F; R1 = H, Me; R2 = H, Cl, F, Me, CMe3, cyano, etc.; R3 = H, Me; R4 = H, Cl) was accomplished by reacting Me .alpha.-bromo-2,4-(dichlorophenyl)acetate with imidazole. The resulting esters were reduced with lithium aluminum hydride to the corresponding alcs., which were treated with 2,4-dichlorobenzyl chloride or analogous arylmethyl halides to afford the title derivs. Reaction of amino deriv. I (R = R1 = R3 = R4 = H, R2 = NH2) with 2,5-dimethoxytetrahydrofuran in glacial acetic acid according to the Clauson-Kaas procedure afforded the related pyrrole deriv. I (R2 = 1-pyrrolyl). The triazole analog II of iso-miconazole was also synthesized. Among test derivs., compds. I (R = Cl, R1 = R2 = R3 = R4 = H; R = R4 = Cl, R1 = R2 = R3) were active against *C. albicans*, *C. paratropicalis*, *C. neoformans* and *T. mentagrophytes* with potencies slightly lower than miconazole but superior to that of bifonazole. Various derivs. were found active against *C. neoformans*.

AN 1996:338736 CAPLUS

DN 125:86557

TI Iso-miconazole and related derivatives: synthesis and antifungal activities

AU Artico, Marino; Ragno, Rino; Porretta, Giulio Cesare; Massa, Silvio; Musiu, Chiara; Spiga, Maria Grazia; Corrias, Simona; La Colla, Paolo

CS Dip. Studi Farmaceutici, Univ. Roma "La Sapienza", Rome, 00185, Italy

SO Medicinal Chemistry Research (1996), 6(3), 137-147

CODEN: MCREEB; ISSN: 1054-2523

PB Birkhaeuser

DT Journal

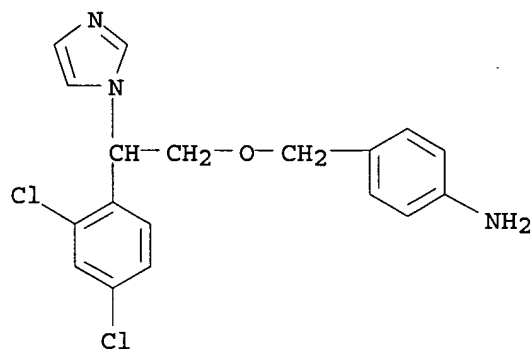
LA English

IT 178813-18-8P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent) (prepn., fungicidal, bactericidal, and anti-HIV activity of iso-miconazole and derivs.)

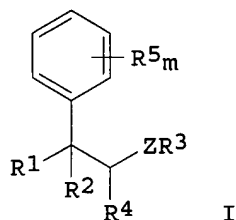
RN 178813-18-8 CAPLUS

CN Benzenamine, 4-[[2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-yl)ethoxy)methyl]-(9CI) (CA INDEX NAME)



L5 ANSWER 13 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI



AB The title compds. [I; R1 = (un)substituted N-contg. arom. or non-arom. heterocycle; R2, R4 = H, C1-6 alkyl, alkenyl; R3 = (un)substituted phenylalkyl; R5 = alkyl, alkoxy, halogen, CF3; Z = O, S; m = 0-3], useful as tachykinin antagonists (no data), are prepd. Thus, (+)-1-[(3,5-bistrifluoromethylphenyl)methyloxy]-2-N(2,5-dimethylpyrrole)-2-phenylethane was prepd. from L-2-phenylglycinol in 4 steps.

AN 1994:557523 CAPLUS

DN 121:157523

TI Phenyl derivatives useful as tachykinin antagonists

IN Keown, Linda Elizabeth; Ladduwahetty, Tamara; Van Niel, Monique Bodil

PA Merck Sharp and Dohme Ltd., UK

SO PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9414767	A1	19940707	WO 1993-GB2559	19931215
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9457048	A1	19940719	AU 1994-57048	19931215
	US 5624947	A	19970429	US 1995-481503	19950620
PRAI	GB 1992-26581		19921221		
	WO 1993-GB2559		19931215		

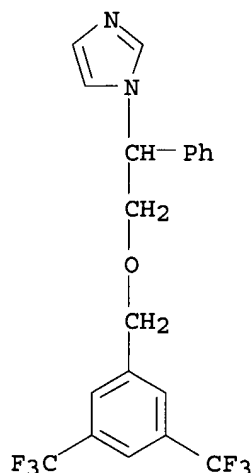
OS MARPAT 121:157523

IT 157171-50-1P

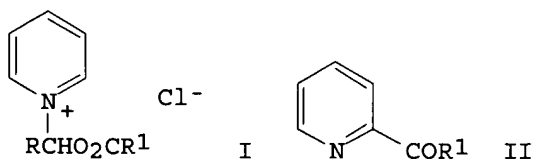
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as tachykinin antagonist)

RN 157171-50-1 CAPLUS

CN 1H-Imidazole, 1-[2-[[3,5-bis(trifluoromethyl)phenyl]methoxy]-1-phenylethyl]- (9CI) (CA INDEX NAME)



L5 ANSWER 14 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB The title compds., e.g., I, prepd. from R1COCl (R1 = Ph, Me3C, EtO, PhO, p-tolyl, p-anisyl, p-ClC6H4, 1-naphthyl, p-NCC6H4), RCHO (R = Ph, p-tolyl, p-O2NC6H4, 1-naphthyl, Et, Pr) and pyridine or its derivs., were treated with NaN(SiMe3)2 in the presence of ZnCl2 in THF at -80.degree. to give compds. such as II exclusively after an intramol. and regiospecific reaction. This method represents the first widely applicable acylation technique for N-heteroarom. compds. in which the incoming substituent (R1CO) functions as an internal electrophile and in which the formation of isomeric or polyacylated products has not yet been obsd. Both exptl. and theor. (MNDO) investigations show that the substitution reaction is primarily detd. by the conformational and electronic properties of the deprotonation product, which is formed preferentially.

AN 1987:176126 CAPLUS

DN 106:176126

TI N-[1-(Acyloxy)alkyl]heteroarylium salts in synthesis. 3. Intramolecular ortho-acylation of some N-heteroaromatic ring systems

AU Anders, Ernst; Boldt, Hans Guenter; Clark, Timothy; Fuchs, Renate; Gassner, Thomas

CS Inst. Org. Chem., Univ. Erlangen-Nuernberg, Erlangen, D-8520, Fed. Rep. Ger.

SO Chem. Ber. (1986), 119(1), 279-96

CODEN: CHBEAM; ISSN: 0009-2940

DT Journal

LA German

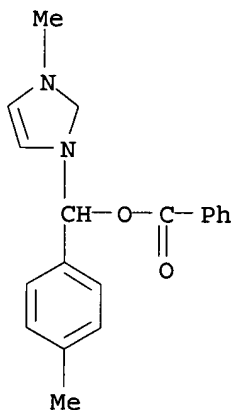
OS CASREACT 106:176126

IT 91435-91-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation) (prepn. and intramol. acylation of)

RN 91435-91-5 CAPLUS

CN 1H-Imidazolium, 1-[(benzoyloxy)(4-methylphenyl)methyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)

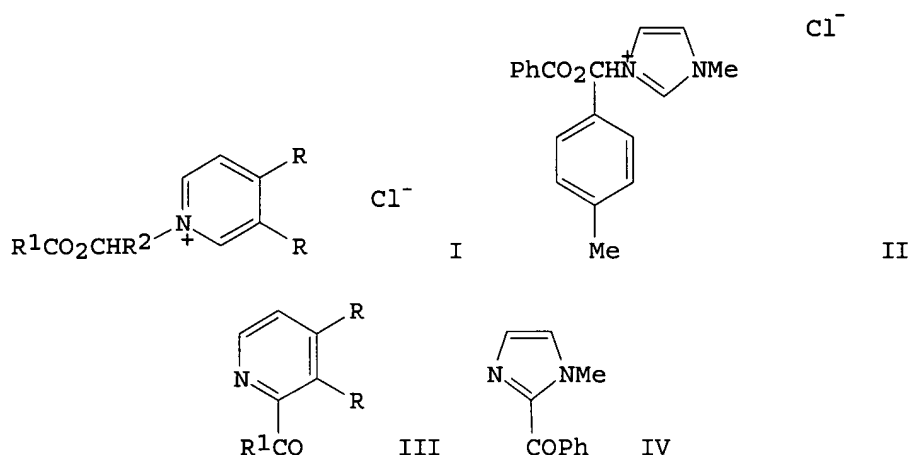


● Cl⁻

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L5 ANSWER 15 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI



AB The heterocyclic amine salts I (R = H, R1 = R2 = Ph, R = EtO, R1 = p-MeC6H4; R2 = CH:CHCH:CH, R1 = Ph, R2 = p-MeC6H4) and II were treated with Me3SiN- Na+ to give the aryl heterocycles III and IV, resp., in 22-63% yields.

AN 1984:510819 CAPLUS

DN 101:110819

TI C2-acylation of N-heteroaromatic ring systems

AU Anders, Ernst; Boldt, Hans Guenter; Fuhs, Renate; Gassner, Thomas

CS Inst. Org. Chem., Univ. Erlangen-Nuernberg, Erlangen, D-8520, Fed. Rep. Ger.

SO Tetrahedron Lett. (1984), 25(16), 1715-16
CODEN: TELEAY; ISSN: 0040-4039

DT Journal

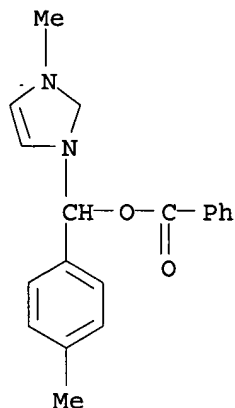
LA German

OS CASREACT 101:110819

IT **91435-91-5P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and reaction of, with sodium bis(trimethylsilyl)amide, acylation product from)

RN 91435-91-5 CAPLUS

CN 1H-Imidazolium, 1-[(benzoyloxy)(4-methylphenyl)methyl]-3-methyl-, chloride (9CI) (CA INDEX NAME)

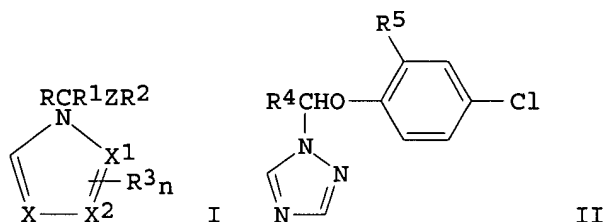


● Cl⁻

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L5 ANSWER 16 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI



AB The title compds. I [R = H, (un)substituted Ph, pyridyl; R1 = (un)substituted Ph, pyridyl, thienyl; R2 = (un)substituted Ph, pyridyl; R3 = Cl-4 alkyl, Br, Cl, F, iodo; n = 0-3, X, X1, X2 = CH, N; Z = O, S] were prepd. as insecticides, fungicides, herbicides, and plant growth regulators. Thus, 1H-1,2,3-triazole was treated with 2,4-Cl₂C₆H₃OH and 3-(dichloromethyl)pyridine to give a mixt. of bis(2,4-dichlorophenoxy)-3-methylpyridine and the desired triazole II (R4 = 3-pyridyl; R5 = Cl). At 400 ppm, II (R4 = 2-thienyl; R5 = H) controlled peach aphids at at least 75%. In preemergence application at 11.2 kg/ha II (R4 = 3,5-dichloro-2-pyridyl; R5 = Cl) controlled morning glory by at least 50%.

AN 1984:438455 CAPLUS

DN 101:38455

TI Aryl(aryloxy or arylthio)azolomethanes and their use

IN Rogers, Richard Brewer; Herrero, Maria Pilar

PA Dow Chemical Co., USA

SO Eur. Pat. Appl., 43 pp.

CODEN: EPXXDW

DT Patent

LA English

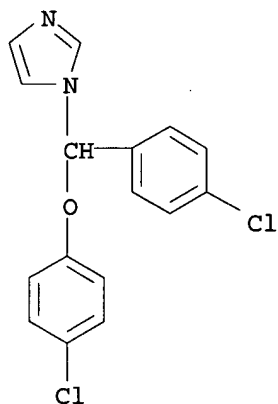
FAN.CNT 1

PATENT NO.

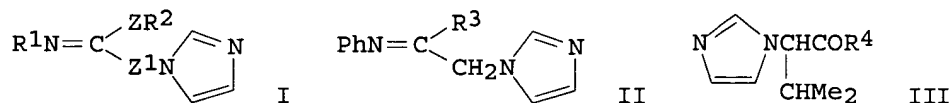
KIND DATE

APPLICATION NO. DATE

PI	EP 101288	A2	19840222	EP 1983-304581	19830808
	EP 101288	A3	19840725		
	R: BE, DE, FR, GB, IT, NL				
	DK 8303488	A	19840214	DK 1983-3488	19830729
	HU 32490	O	19840828	HU 1983-2846	19830812
	US 4636514	A	19870113	US 1984-653399	19840924
	US 4701463	A	19871020	US 1986-897483	19860818
	US 4701207	A	19871020	US 1986-897551	19860818
	US 4716174	A	19871229	US 1986-898061	19860818
	US 4717734	A	19880105	US 1986-897484	19860818
	US 4717732	A	19880105	US 1986-897573	19860818
	US 4717733	A	19880105	US 1986-897574	19860818
	US 4720502	A	19880119	US 1986-897571	19860818
	US 4728657	A	19880301	US 1986-897572	19860818
	US 4731372	A	19880315	US 1986-897485	19860818
PRAI	US 1982-407852		19820813		
	US 1984-653399		19840924		
OS	CASREACT 101:38455				
IT	90703-48-3P				
	RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (prepn. of, as fungicide, insecticide, and herbicide)				
RN	90703-48-3 CAPLUS				
CN	1H-Imidazole, 1-[(4-chlorophenoxy) (4-chlorophenyl)methyl] - (9CI) (CA INDEX NAME)				



L5 ANSWER 17 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB Imidazoles I [R1 = naphthyl, aryl-, cyclo-, cycloalkylalkyl, allyl, alkenyl, alkoxyalkyl, phenylthioalkyl, (un)substituted Ph; R2 = alkenyl, (un)substituted alkyl or Ph, cycloalkyl, alkylcarbonyl, naphthyl,

furfuryl; Z = O, S; Z1 = (un)substituted alkylene, alkenylene] and their salts were prepd. Thus, treating imidoyl chloride II.HCl (R3 = Cl) in MeOH with NaOMe-MeOH, then stirring 30 min gave ether II (R3 = OMe). Most I and their salts showed greater fungicidal activity against Puccinis recondita and Sphaerotheca fuliginea than III (R4 = OPr, NHPh), maneb, or quinomethionate; none were phytotoxic to wheat or cucumbers.

AN 1983:179374 CAPLUS
 DN 98:179374
 TI Imidazole derivatives and fungicide compositions containing them
 IN Ohyama, Hiroshi; Morita, Ken; Wada, Takuo; Miyahara, Masahiko
 PA Hokko Chemical Industry Co., Ltd., Japan
 SO Ger. Offen., 119 pp.
 CODEN: GWXXBX

DT Patent
 LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3210009	A1	19821014	DE 1982-3210009	19820319
	DE 3210009	C2	19890914		
	JP 57156464	A2	19820927	JP 1981-41298	19810320
	JP 60005593	B4	19850212		
	US 4391804	A	19830705	US 1982-358533	19820316
	GB 2095251	A	19820929	GB 1982-7746	19820317
	GB 2095251	B2	19850123		
	FR 2502150	A1	19820924	FR 1982-5043	19820319
	FR 2502150	B1	19851129		
	BR 8201546	A	19830208	BR 1982-1546	19820319
PRAI	JP 1981-41298		19810320		

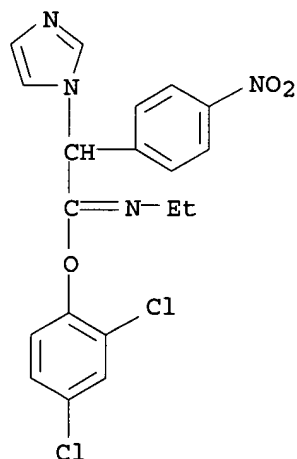
OS CASREACT 98:179374

IT 84479-44-7P

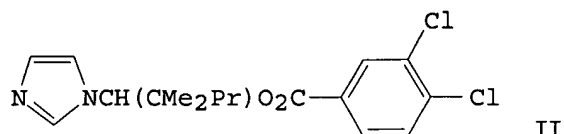
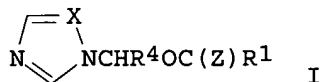
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (prepn. and fungicidal activity of)

RN 84479-44-7 CAPLUS

CN 1H-Imidazole-1-ethanimidic acid, N-ethyl-.alpha.-(4-nitrophenyl)-, 2,4-dichlorophenyl ester (9CI) (CA INDEX NAME)



GI



AB The title compds. I [R1 = Ph, naphthyl, Ph mono-, di- or tri(un)substituted with halogen, Ph, NO2, cyano, C1-4 alkyl, alkoxy, or alkylthio, di-C1-4-alkylamino, or PhO, C1-(un)substituted C1-10 alkyl, C1-4 alkyl or Ph-(un)substituted C3-7 cycloalkyl, NR2R3 [R2 = H, C1-4 alkyl; R3 = C1-4 alkyl, Ph, mono-, di-, or tri-halo, NO2, CF3, C1-4 alkyl, or C1-4 alkoxy (un)substituted Ph]; R4 = halo, Ph, or NO2 (un)substituted Ph, C1-10 alkyl, C2-10 alkenyl, C1-10 alkyl (un)substituted with halo or NO2 (un)substituted 1 or 2 Ph, C1-4 alkyl, C2-4 alkenyl, PhCH2, or Ph (un)substituted C3-7 cycloalkyl; X = CH, N, Z = O, S] and their Cu complexes, useful as agricultural fungicides, were prep'd. by several methods. Treating 3,4-Cl2C6H3COCl in CHCl3 and a little ZnCl2-sat'd. Me2CO with PrCMe2CHO without heat, then at 40-42.degree. 2.5 h gave 92% 3,4-Cl2C6H3CO2CHClCMe2Pr which, in MeCN was treated with 1,2,4-triazol-1-ylsodium at room temp., then 1 h at 80.degree. to give 58.3% II. At 2 ppm, I (R1 = 4-PhC6H4, R4 = CMe2Pr, X = N, Z = O) killed 11-40% mildew on cucumber.

AN 1982:582426 CAPLUS

DN 97:182426

TI Imidazole and triazole pesticides

IN Curtze, Juergen; Mengel, Rudolf; Becher, Heinz Manfred; Drandarevski, Christo Assenov; Lust, Sigmund

PA Celamerck G.m.b.H. und Co. K.-G., Fed. Rep. Ger.

SO Eur. Pat. Appl., 27 pp.

CODEN: EPXXDW

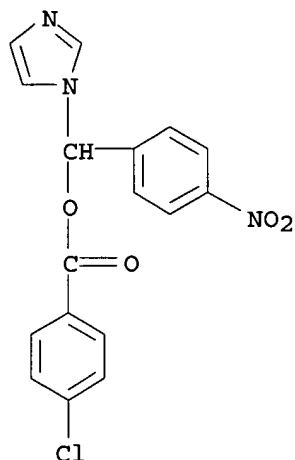
DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 53307	A1	19820609	EP 1981-109619	19811111
	EP 53307	B1	19840627		
	R: AT, BE, CH, DE, FR, GB, IT, LU, NL				
	DE 3045055	A1	19820701	DE 1980-3045055	19801129
	AT 8139	E	19840715	AT 1981-109619	19811111
	JP 57126480	A2	19820806	JP 1981-187676	19811120
	CA 1163639	A1	19840313	CA 1981-390971	19811126
PRAI	DE 1980-3045055		19801129		
	EP 1981-109619		19811111		
IT	83331-05-9P				
	RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)				
RN	83331-05-9 CAPLUS				

CN Benzoic acid, 4-chloro-, 1H-imidazol-1-yl(4-nitrophenyl)methyl ester (9CI)
(CA INDEX NAME)



L5 ANSWER 19 OF 30 CAPLUS COPYRIGHT 2002 ACS

AB Title compds., which readily hydrolyze chem. or enzymatically to release a tertiary amine and other compds., as well as heterocyclic analogs with similar properties., were prepd. by quaternization of the corresponding tertiary amine. Thus, Et₂NCH₂CONHC₆H₃Me₂-2,6 treated with Me₃CCO₂CH₂Cl gave 80% (Me₃CCO₂CH₂)Et₂N+CH₂CONHC₆H₃Me₂-2,6 Cl⁻. Pilocarpine (I) was quaternized similarly with Me(CH₂)₁₄CO₂CH₂Cl to give a quaternary salt which released I in the eyes of albino rabbits at a higher and more sustained rate than I.HCl.

AN 1979:557420 CAPLUS

DN 91:157420

TI Labile, non-heterocyclic quaternary ammonium salt-esters as transient derivatives

IN Bodor, Nicolae S.

PA INTERx Research Corp., USA

SO U.S., 46 pp. Cont.-in-part of U.S. 3,998,815.

CODEN: USXXAM

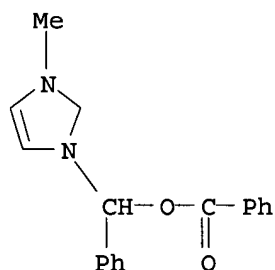
DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	US 4160099	A	19790703	US 1976-724914	19760920
	US 3998815	A	19761221	US 1974-482513	19740624
	CA 1045628	A1	19790102	CA 1975-229912	19750623
	FR 2276289	A1	19760123	FR 1975-19766	19750624
	FR 2276289	B1	19791019		
	AU 7582412	A1	19770106	AU 1975-82412	19750624
	GB 1471828	A	19770427	GB 1975-26734	19750624
	US 4727151	A	19880223	US 1978-962948	19781122
PRAI	US 1974-482513		19740624		
	US 1976-724914		19760920		
IT	58577-54-1P				
	RL: SPN (Synthetic preparation); PREP (Preparation)				
	(prepn. of)				
RN	58577-54-1	CAPLUS			

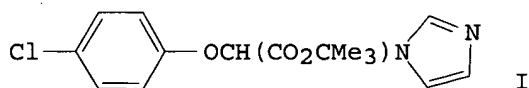
CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI)
(CA INDEX NAME)



● Cl⁻

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L5 ANSWER 20 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB ROCR1R2COR3 (R = optionally substituted Ph, alkyl; R1 = optionally substituted azolyl; R2 = H, optionally substituted Ph, alkyl; R3 = alkoxy, cycloalkoxy, optionally substituted phenoxy, amino) were prepd. Thus, 4-ClC6H4OH was treated with ClCH2CO2CMe3 and the resulting 4-ClC6H4OCH2CO2CMe3 brominated to give 4-ClC6H4OCHBrCO2CMe3, which was treated with imidazole to give I. At 0.025% I protected rice against *Pyricularia oryzae*.

AN 1979:87469 CAPLUS

DN 90:87469

TI Azolylalkanecarboxylic acid derivatives

IN Thomas, Rudolf; Kraemer, Wolfgang; Buechel, Karl Heinz; Paul, Volker; Frohberger, Paul Ernst

PA Bayer A.-G., Ger.

SO Ger. Offen., 48 pp.

CODEN: GWXXBX

DT Patent

LA German

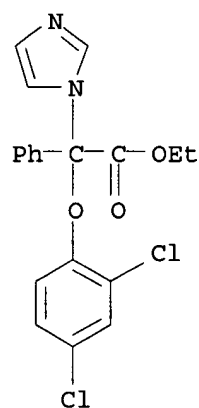
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2720654	A1	19781116	DE 1977-2720654	19770507
	GB 1568350	A	19800529	GB 1978-17482	19780503
	IL 54637	A1	19821231	IL 1978-54637	19780504
	BE 866718	A1	19781106	BE 1978-187402	19780505
	DK 7801979	A	19781108	DK 1978-1979	19780505
	NL 7804859	A	19781109	NL 1978-4859	19780505
	FR 2389617	A1	19781201	FR 1978-13361	19780505

FR 2389617 B1 19830114
BR 7802840 A 19790123 BR 1978-2840 19780505
CH 638793 A 19831014 CH 1978-4926 19780505
JP 53137959 A2 19781201 JP 1978-53310 19780506
PRAI DE 1977-2720654 19770507
IT 69335-37-1P
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
 (prepn. and fungicidal activity of)
RN 69335-37-1 CAPLUS
CN 1H-Imidazole-1-acetic acid, .alpha.-(2,4-dichlorophenoxy)-.alpha.-phenyl-, ethyl ester, 1,5-naphthalenedisulfonate (2:1) (9CI) (CA INDEX NAME)

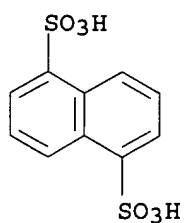
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CRN 69335-36-0
CMF C19 H16 Cl2 N2 O3

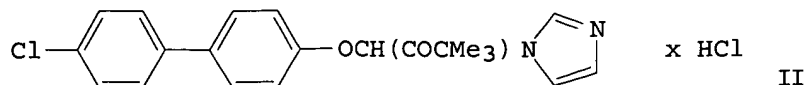


CM 2

CRN 81-04-9
CMF C10 H8 O6 S2



L5 ANSWER 21 OF 30 CAPLUS COPYRIGHT 2002 ACS
GI



AB Imidazole and triazole compds. showing antimycolytic activity against *Pityrosporum ovale* were prepd. and used in shampoos and hair care compns. For example, 409 g 4'-chloro-4-hydroxybiphenyl [28034-99-3] was treated with 260 g .alpha.-chloropinacolone [13547-70-1] to give 513 g 1-[4'-(4''-chlorophenyl)phenoxy]-3,3-dimethyl-2-butanone (I) [58732-36-8]. I (650 g) was treated with 280 g imidazole [288-32-4] to give 1-imidazol-1-yl-1-[4'-(4''-chlorophenyl)phenoxy]-3,3-dimethyl-2-butanone-HCl (II) [58949-85-2]. II inhibited growth of *P. ovale* cultures at concns. <1 mcg/ml when examd. after 3 days. A liq. shampoo compn. contg. 50.0% monoethanolammonium lauryl sulfate, 3.5% oleic acid diethanolamine, 45.5% H₂O, 1.0% antimycolytic, and desired amts. of perfume, dye, or preservatives was prepd.

AN 1976:169551 CAPLUS

DN 84:169551

TI Azole antimycotics as cosmetic agents

IN Buechel, Karl H.; Plempel, Manfred

PA Bayer A.-G., Ger.

SO Ger. Offen., 44 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

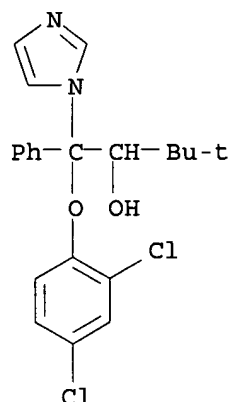
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2430039	A1	19760108	DE 1974-2430039	19740622
	DE 2430039	C2	19831110		
	GB 1502144	A	19780222	GB 1975-20817	19750516
	NO 7502015	A	19751223	NO 1975-2015	19750606
	CA 1050430	A1	19790313	CA 1975-229203	19750612
	SE 7507017	A	19751223	SE 1975-7017	19750618
	FI 7501849	A	19751223	FI 1975-1849	19750619
	NL 7507333	A	19751224	NL 1975-7333	19750619
	BE 830467	A1	19751222	BE 1975-157529	19750620
	DK 7502809	A	19751223	DK 1975-2809	19750620
	FR 2275194	A1	19760116	FR 1975-19424	19750620
	FR 2275194	B1	19790413		
	JP 51012940	A2	19760131	JP 1975-74598	19750620
	JP 62020167	B4	19870506		
	ZA 7503978	A	19760630	ZA 1975-3978	19750620
	BR 7503886	A	19760706	BR 1975-4997	19750620
	DD 121712	C	19760820	DD 1975-186791	19750620
	AU 7582315	A1	19761223	AU 1975-82315	19750620
	AU 499071	B2	19790405		
	IL 47531	A1	19781031	IL 1975-47531	19750620
	US 4472421	A	19840918	US 1980-135985	19800331
PRAI	DE 1974-2430039		19740622		
	US 1975-585847		19750611		

IT 55362-27-1

RL: BIOL (Biological study)
(*Pityrosporum ovale* growth inhibition by)

RN 55362-27-1 CAPLUS

CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 22 OF 30 CAPLUS COPYRIGHT 2002 ACS

AB Quaternary [(benzoyloxy)methyl]ammonium chlorides were prepd. by reacting aliph. or heterocyclic tertiary N compds. with BzOCH₂Cl or BzOCHClPh. Thus prepd. were 1-[(benzoyloxy)methyl]-3-(ethoxycarbonyl)pyridinium chloride, 3-[.alpha.-(benzoyloxy)benzyl]-1-methylimidazolium chloride (I), 4-[(benzoyloxy)methyl]-1-aza-4-azoniabicyclo[2.2.2]octane chloride, and (BzOCH₂)Et₂N+CH₂CONHC₆H₃Me₂-2,6 Cl⁻. I was also prepd. by reacting 1-methylimidazole with BzCl and BzH.

AN 1976:104968 CAPLUS

DN 84:104968

TI Quaternary ammonium salts

IN Bodor, Nicholae S.

PA Interx Corp., USA

SO Ger. Offen., 24 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

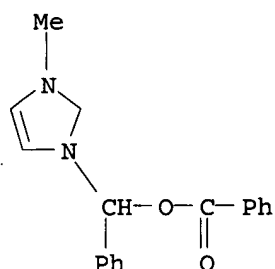
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2527993	A1	19760115	DE 1975-2527993	19750624
	DE 2527993	C2	19880811		
	US 3998815	A	19761221	US 1974-482513	19740624
	CA 1045628	A1	19790102	CA 1975-229912	19750623
	FR 2276289	A1	19760123	FR 1975-19766	19750624
	FR 2276289	B1	19791019		
	AU 7582412	A1	19770106	AU 1975-82412	19750624
	GB 1471828	A	19770427	GB 1975-26734	19750624
PRAI	US 1974-482513		19740624		

IT 58577-54-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 58577-54-1 CAPLUS

CN 1H-Imidazolium, 1-[(benzoyloxy)phenylmethyl]-3-methyl-, chloride (9CI)
(CA INDEX NAME)



● Cl⁻

*** FRAGMENT DIAGRAM IS INCOMPLETE ***

L5 ANSWER 23 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI For diagram(s), see printed CA Issue.

AB Imidazole derivs. I (R1, R2, and R3 = alkyl, alkenyl, alkynyl, cycloalkyl, cycloalkenyl, aryl, or aralkyl, where R2 may also = H; X = O or S; and Y = ketone or keto deriv.) were effective as fungicides. For example, a spray application of 1-[4-chlorophenoxy-(tert-butylcarbonyl)methyl]imidazole [38083-17-9] (0.0025%) completely controlled Erysiphe graminis hordei on barley seedlings 6 days after inoculation.

AN 1975:602723 CAPLUS

DN 83:202723

TI Fungicidal and microbicidal agents

IN Meiser, Werner; Buechel, Karl H.; Kraemer, Wolfgang; Grewe, Ferdinand; Frohberger, Paul E.

PA Bayer A.-G., Fed. Rep. Ger.

SO S. African, 51 pp.

CODEN: SFXAB

DT Patent

LA English

FAN.CNT 2

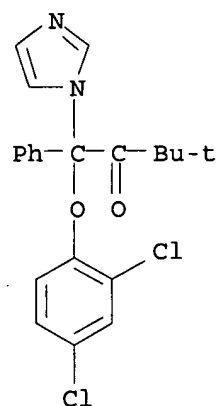
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ZA 7403155	A	19750528	ZA 1974-3155	19740517
	DE 2325156	A1	19741205	DE 1973-2325156	19730518
PRAI	DE 1973-2325156		19730518		

IT 54720-27-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and fungicidal activity of)

RN 54720-27-3 CAPLUS

CN 2-Butanone, 1-(2,4-dichlorophenoxy)-1-(1H-imidazol-1-yl)-3,3-dimethyl-1-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

L5 ANSWER 24 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI For diagram(s), see printed CA Issue.

AB Fifteen imidazolyl O,N-acetals I (R1 = Ph, halophenyl, Cl2C6H3, PhC6H4, p-Me3CC6H4, chloro- and dichlorobiphenyl; R2 = R3 = H; R1 = 2,4-Cl2C6H3, R2 = Ph, R3 = H; R1 = p-ClC6H4, R2 = H, R3 = Me), useful antibiotics against dermato mycoses or systemic mycoses caused by Trichophyton mentagrophytes and other Trichophyton species, Microsporon species, Epidermophyton floccosum, and biphasic fungi, were prepd. by redn. of the corresponding ketones.

AN 1975:579057 CAPLUS

DN 83:179057

TI Antimicrobial preparations

IN Kraemer, Wolfgang; Buechel, Karl H.; Plempel, Manfred

PA Bayer A.-G., Fed. Rep. Ger.

SO Neth. Appl., 19 pp.

CODEN: NAXXAN

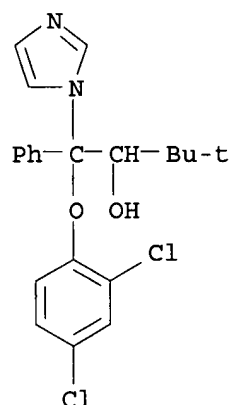
DT Patent

LA Dutch

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	NL 7408696	A	19750102	NL 1974-8696	19740627
	DE 2333355	A1	19750320	DE 1973-2333355	19730630
	DE 2333355	C2	19840119		
	US 3968229	A	19760706	US 1974-481660	19740621
	BE 816954	A1	19741227	BE 1974-145961	19740627
	FI 7401980	A	19741231	FI 1974-1980	19740627
	SE 7408498	A	19750102	SE 1974-8498	19740627
	NO 7402361	A	19750102	NO 1974-2361	19740628
	FR 2234896	A1	19750124	FR 1974-22756	19740628
	DK 7403505	A	19750317	DK 1974-3505	19740628
	JP 50036617	A2	19750405	JP 1974-73436	19740628
	JP 58021605	B4	19830502		
	DD 114223	C	19750720	DD 1974-179571	19740628
	AU 7470603	A1	19760108	AU 1974-70603	19740628
	AU 498989	B2	19790329		
	GB 1429144	A	19760324	GB 1974-28819	19740628

AT 7405389 A 19760815 AT 1974-5389 19740628
 AT 336008 B 19770412
 PRAI DE 1973-2333355 19730630
 IT 55362-27-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 55362-27-1 CAPLUS
 CN 1H-Imidazole-1-ethanol, .beta.-(2,4-dichlorophenoxy)-.alpha.-(1,1-dimethylethyl)-.beta.-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 25 OF 30 CAPLUS COPYRIGHT 2002 ACS
 GI For diagram(s), see printed CA Issue.
 AB Thirteen butanols I (Rn = e.g. 3 or 4-Cl, 2,4-Cl2, 2 or 4-Ph, 4-Br, or 4-Me3C; R1 = H or Ph), used as fungicides, were manufd. by redn. of the corresponding 2-butanones with NaBH4 or LiAlH4.
 AN 1975:170934 CAPLUS
 DN 82:170934
 TI 1-Imidazolyl-3,3-dimethyl-1-phenoxy-2-butanols
 IN Kraemer, Wolfgang; Buechel, Karl H.; Frohberger, Paul E.; Scheinpflug, Hans
 PA Bayer A.-G.
 SO Ger. Offen., 27 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2333354	A1	19750116	DE 1973-2333354	19730630
	DE 2333354	C2	19831215		
	US 3940414	A	19760224	US 1974-480433	19740617
	RO 64920	B	19790616	RO 1974-79275	19740624
	RO 64920	P	19800415		
	CS 187438	P	19790131	CS 1974-4508	19740626
	BE 816953	A1	19741227	BE 1974-145960	19740627
	FI 7401981	A	19741231	FI 1974-1981	19740627
	SE 7408497	A	19750102	SE 1974-8497	19740627
	SE 408795	C	19791018		
	SE 408795	B	19790709		
	NL 7408698	A	19750102	NL 1974-8698	19740627
	BR 7405314	A0	19750121	BR 1974-5314	19740627

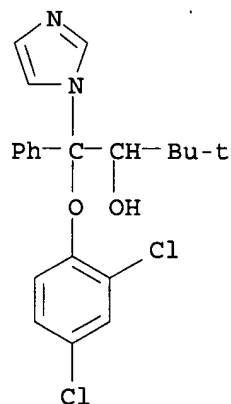
SU 522770	D	19760725	SU 1974-2039331	19740627
ES 427728	A1	19770116	ES 1974-427728	19740627
NO 7402360	A	19750102	NO 1974-2360	19740628
NO 140008	C	19790620		
NO 140008	B	19790312		
FR 2235122	A1	19750124	FR 1974-22755	19740628
DK 7403497	A	19750224	DK 1974-3497	19740628
DK 142411	B	19801027		
DK 142411	C	19810323		
ZA 7404167	A	19750625	ZA 1974-4167	19740628
DD 114334	C	19750812	DD 1974-179578	19740628
AU 7470604	A1	19760108	AU 1974-70604	19740628
GB 1421689	A	19760121	GB 1974-28818	19740628
AT 7405390	A	19760815	AT 1974-5390	19740628
AT 336342	B	19770425		
HU 169484	P	19761228	HU 1974-BA3101	19740628
CH 595760	A	19780228	CH 1974-8950	19740628
CA 1054616	A1	19790515	CA 1974-203695	19740628
JP 50036462	A2	19750405	JP 1974-73883	19740629
JP 58024436	B4	19830520		
JP 50040741	A2	19750414	JP 1974-73884	19740629
JP 57056441	B4	19821130		
PL 90741	P	19770131	PL 1974-172296	19740629
ES 449418	A1	19770701	ES 1976-449418	19760701
JP 58023671	A2	19830212	JP 1982-129086	19820726
PRAI DE 1973-2333354		19730630		

IT 55362-27-1P

RL: PREP (Preparation)
(manuf. of fungicidal)

RN 55362-27-1 CAPLUS

CN 1H-Imidazole-1-ethanol, .beta.- (2,4-dichlorophenoxy) - .alpha.- (1,1-dimethylethyl) - .beta.-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 26 OF 30 CAPLUS COPYRIGHT 2002 ACS

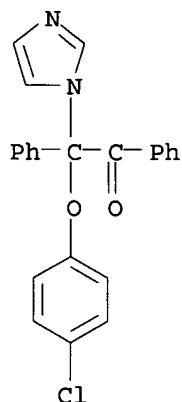
GI For diagram(s), see printed CA Issue.

AB Thirty-six imidazoles I [e.g. R = aryl; X = O or S; Y = CO, C(OH)2; Me, R1 = H, or Ph; R2 = Me, CMe3, or Ph], e.g. .omega.- (2',6'-dichlorophenoxy) - .omega.- (1-imidazolyl) acetophenone [54720-16-0], had fungicidal effects against various plant-pathol. fungi and microbicidal effects against soil bacteria. I compds. were prepd. by reaction of RnC6H5-nXBrR1COR2 with imidazole.

AN 1975:120068 CAPLUS
 DN 82:120068
 TI Fungicidal imidazolylmethyl ketones
 IN Meiser, Werner; Buechel, Karl H.; Kraemer, Wolfgang; Grewe, Ferdinand;
 Frohberger, Paul E.
 PA Bayer A.-G.
 SO Ger. Offen., 37 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2325156	A1	19741205	DE 1973-2325156	19730518
	US 3898341	A	19750805	US 1974-469938	19740514
	NL 7406529	A	19741120	NL 1974-6529	19740515
	CH 563717	A	19750715	CH 1974-6663	19740515
	AU 7468996	A1	19751120	AU 1974-68996	19740515
	BE 815110	A1	19741118	BE 1974-144379	19740516
	FI 7401512	A	19741119	FI 1974-1512	19740516
	DD 114498	C	19750812	DD 1974-178554	19740516
	SU 511832	D	19760425	SU 1974-2027849	19740516
	BR 7404029	A0	19741126	BR 1974-4029	19740517
	FR 2229352	A1	19741213	FR 1974-17259	19740517
	ZA 7403155	A	19750528	ZA 1974-3155	19740517
	GB 1419734	A	19751231	GB 1974-22019	19740517
	AT 7404100	A	19760615	AT 1974-4100	19740517
	AT 335224	B	19770225		
	DK 133847	B	19760802	DK 1974-2716	19740517
	HU 169482	P	19761228	HU 1974-BA3075	19740517
	JP 50018633	A2	19750227	JP 1974-55023	19740518
	ES 426401	A1	19761216	ES 1976-426401	19760428
PRAI	DE 1973-2325156		19730518		

IT **38083-26-0P**
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except
 adverse); SPN (Synthetic preparation); BIOL (Biological study); PREP
 (Preparation); USES (Uses)
 (prepn. and fungicidal activity of)
 RN 38083-26-0 CAPLUS
 CN Ethanone, 2-(4-chlorophenoxy)-2-(1H-imidazol-1-yl)-1,2-diphenyl- (9CI)
 (CA INDEX NAME)



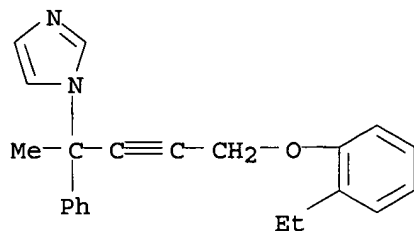
L5 ANSWER 27 OF 30 CAPLUS COPYRIGHT 2002 ACS
 AB The propynylimidazoles I (R = H, halo, Pr, Ph, or morpholino; R1 = Me, iso-Pr, tert-Bu, or Ph) are fungicides. Thus, spraying with 0.00019% 1-[1-(1,1-dimethylethyl)-1,3-diphenyl-2-propyn-1-yl]-1H-imidazole (I, R = Ph, R1 = tert-Bu) [36698-18-7] prevented the development of Erysiphe cichoreacearum on cucumbers, in the greenhouse.

AN 1973:132682 CAPLUS
 DN 78:132682
 TI Fungitoxic 3-azolylpropynes
 IN Jaeger, Gerhard; Buechel, Karl Heinz; Grewe, Ferdinand; Frohberger, Paul Ernst
 PA Bayer A.-G.
 SO Ger. Offen., 36 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2128700	A1	19730104	DE 1971-2128700	19710609
	DE 2128700	C2	19850425		
	US 3832466	A	19740827	US 1972-257365	19720526
	CS 170188	P	19760827	CS 1972-3792	19720601
	IL 39617	A1	19750210	IL 1972-39617	19720606
	CH 531833	A	19721231	CH 1972-531833	19720607
	BR 7203666	A0	19730531	BR 1972-3666	19720607
	IT 961223	A	19731210	IT 1972-25369	19720607
	DD 103135	C	19740112	DD 1972-163511	19720607
	AT 316209	B	19740625	AT 1972-4897	19720607
	BE 784587	A1	19721208	BE 1972-118441	19720608
	NL 7207797	A	19721212	NL 1972-7797	19720608
	NL 176130	B	19841001		
	NL 176130	C	19850301		
	ZA 7203937	A	19730328	ZA 1972-3937	19720608
	GB 1365634	A	19740904	GB 1972-26746	19720608
	ES 403651	A1	19750501	ES 1972-403651	19720608
	CA 972287	A1	19750805	CA 1972-144190	19720608
	DK 132054	B	19751020	DK 1972-2874	19720608
	PL 84075	P	19760228	PL 1972-155893	19720608
	JP 57051802	B4	19821104	JP 1972-56536	19720608
	FR 2140622	A1	19730119	FR 1972-20825	19720609
	FR 2140622	B1	19771230		
	HU 164708	P	19740411	HU 1972-BA2752	19720609
PRAI	DE 1971-2128700		19710609		

IT 36698-25-6
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BIOL (Biological study); USES (Uses)
 (fungicides)

RN 36698-25-6 CAPLUS
 CN 1H-Imidazole, 1-[4-(2-ethylphenoxy)-1-methyl-1-phenyl-2-butynyl] - (9CI)
 (CA INDEX NAME)



L5 ANSWER 28 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI For diagram(s), see printed CA Issue.

AB Eighteen title compds. (I, Q = CO or C(OH)₂; R_n = o-, m-, and p-Cl, 2,6-, 3,6-, and 4,6-Cl₂, 2,4,5-Cl₃, p-Br, or p-Ph; R₁ = H, Me, or Ph; R₂ = CMe₃, Ph, or p-ClC₆H₄) were prepd., partly as hydrochlorides, by reaction of imidazole (II) with R_nC₆H₅-nOCR₁BrQR₂. I were used in vitro and in vivo against fungous parasites, e.g. Trichophyton species and Candida albicans. Thus, II and o-ClC₆H₄OCHBr-COPh was refluxed 18 hr in MeCN to give 70% I (Q = CO, R_n = o-Cl, R₁ = H, R₂ = Ph) (III). III had min. inhibition concn. <1 .gamma./ml against T. mentagrophytes.

AN 1972:552184 CAPLUS

DN 77:152184

TI Antimycotic imidazole derivatives

IN Meiser, Werner; Buechel, Karl Heinz; Plempel, Manfred

PA Farbenfabriken Bayer A.-G.

SO Ger. Offen., 29 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

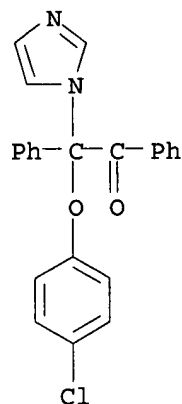
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2105490	A	19720810	DE 1971-2105490	19710205
	DE 2105490	C3	19790613		
	DE 2105490	B2	19781012		
	DD 94819	C	19730112	DD 1971-159986	19711229
	US 3812142	A	19740521	US 1972-219556	19720120
	IL 38687	A1	19751125	IL 1972-38687	19720202
	CH 577978	A	19760730	CH 1972-1573	19720203
	BE 778973	A1	19720804	BE 1972-113634	19720204
	FR 2124506	A5	19720922	FR 1972-3855	19720204
	FR 2124506	B1	19760416		
	HU 163992	P	19731228	HU 1972-BA2700	19720204
	GB 1351542	A	19740501	GB 1972-5326	19720204
	JP 51042110	B4	19761113	JP 1972-12303	19720204
	AT 311337	B	19731112	AT 1972-951	19720207
	US 3903287	A	19750902	US 1973-402050	19731001
PRAI	DE 1971-2105490		19710205		
	US 1972-219556		19720120		

IT 38083-26-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 38083-26-0 CAPLUS

CN Ethanone, 2-(4-chlorophenoxy)-2-(1H-imidazol-1-yl)-1,2-diphenyl- (9CI)
(CA INDEX NAME)



L5 ANSWER 29 OF 30 CAPLUS COPYRIGHT 2002 ACS

GI For diagram(s), see printed CA Issue.

AB The imidazoles (I) (R = Ph, H, pentyl, -EtC₆H₄OCH₂, 1-pyrrolidinylmethyl, morpholinomethyl, Et₂NCH₂; R₁ = Ph, Me₃C, Me₂CH, Me; R₂ = p-Cl, -Cl, m-NO₂, -Me, m-Me) were prep'd. by slowly dropping an MeCN soln. of the corresponding alkynol into an MeCN soln. of thionylbisimidazole at room temp. I were useful as antimycotic agents.

AN 1972:434518 CAPLUS

DN 77:34518

TI Antimycotic 1,3,3-trisubstituted-3-imidazolylpropynes

IN Jaeger, Gerhard; Plempel, Manfred; Buechel, Karl H.

PA Farbenfabriken Bayer A.-G.

SO Ger. Offen., 38 pp.

CODEN: GWXXBX

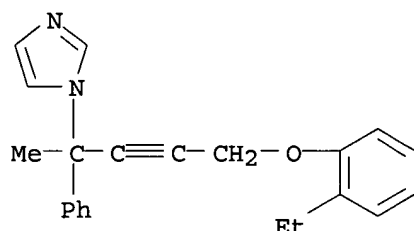
DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 2044621	A	19720316	DE 1970-2044621	19700909
	DE 2044621	C3	19790705		
	DE 2044621	B2	19781109		
	AU 7132946	A1	19730315	AU 1971-32946	19710901
	CH 555332	A	19741031	CH 1971-13051	19710906
	CH 556334	A	19741129	CH 1974-9284	19710906
	IL 37660	A1	19741231	IL 1971-37660	19710906
	AT 307413	B	19730525	AT 1971-7768	19710907
	HU 163659	P	19731027	HU 1971-BA2641	19710907
	SU 430551	D	19740530	SU 1971-1696682	19710907
	SU 447887	D	19741025	SU 1971-1861749	19710907
	ZA 7106019	A	19720426	ZA 1971-6019	19710908
	GB 1332393	A	19731003	GB 1971-41881	19710908
	CA 960213	A1	19741231	CA 1971-122319	19710908
	PL 85326	P	19760430	PL 1971-150402	19710908
	SE 395143	B	19770801	SE 1971-11381	19710908
	BE 772402	A1	19720309	BE 1971-107986	19710909
	NL 7112441	A	19720313	NL 1971-12441	19710909
	NL 174461	B	19840116		
	NL 174461	C	19840618		
	FR 2106408	A5	19720505	FR 1971-32614	19710909
	FR 2106408	B1	19750801		
	ES 394928	A1	19741201	ES 1971-394928	19710909

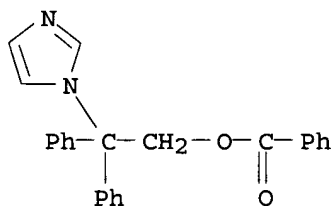
CS 177816 P 19770831 CS 1971-6452 19710909
 JP 56013714 B4 19810330 JP 1971-69313 19710909
 US 3870726 A 19750311 US 1973-348581 19730406
 ES 422340 A1 19760401 ES 1974-422340 19740116
 PRAI DE 1970-2044621 19700909
 US 1971-177843 19710903
 IT **36698-25-6P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 36698-25-6 CAPLUS
 CN 1H-Imidazole, 1-[4-(2-ethylphenoxy)-1-methyl-1-phenyl-2-butyryl]- (9CI)
 (CA INDEX NAME)



L5 ANSWER 30 OF 30 CAPLUS COPYRIGHT 2002 ACS
 GI For diagram(s), see printed CA Issue.
 AB -Imidazol-1-yl-2,2-diphenylethanol (I, R = CH₂OH) and its esters and ethers were prepd. and tested as antimycotics. Thus, Me imidazol-1-yl-diphenylacetate was reduced with LiAlH₄ in THF to give 70% I (R = CH₂OH), which was acetylated with Ac₂O to give 50% I (R = CH₂OAc). Also prepd. were I (R = CH₂NHAc, CHMeOH, and CHPhOH).
 AN 1972:140818 CAPLUS
 DN 76:140818
 TI Antimycotic phenyl imidazolyl alkanyl derivatives
 IN Metzger, Carl; Meiser, Werner; Buechel, Karl H.; Plempel, Manfred
 PA Farbenfabriken Bayer A.-G.
 SO Ger. Offen., 49 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2041771	A	19720224	DE 1970-2041771	19700822
	DE 2041771	C3	19790726		
	DE 2041771	B2	19781123		
	US 3796704	A	19740312	US 1971-172201	19710816
	AU 7132467	A1	19730222	AU 1971-32467	19710818
	HU 163071	P	19730628	HU 1971-BA2631	19710818
	SU 415875	D	19740215	SU 1971-1693076	19710819
	SU 451244	D	19741125	SU 1971-1861747	19710819
	RO 64158	P	19780815	RO 1971-67999	19710819
	RO 64454	P	19790715	RO 1971-70519	19710819
	RO 64454	B	19790321		
	RO 67637	P	19820201	RO 1971-70518	19710819
	BE 771584	A1	19720221	BE 1971-107272	19710820
	NL 7111537	A	19720224	NL 1971-11537	19710820
	FR 2103452	A5	19720414	FR 1971-30448	19710820

FR 2103452	B1	19750606		
DD 94821	C	19730112	DD 1971-157236	19710820
AT 310739	B	19731010	AT 1971-7300	19710820
GB 1354909	A	19740530	GB 1971-39196	19710820
AT 315835	B	19740610	AT 1972-10069	19710820
AT 315836	B	19740610	AT 1972-10070	19710820
IL 37537	A1	19750425	IL 1971-37537	19710820
CH 567486	A	19751015	CH 1975-2513	19710820
CH 568981	A	19751114	CH 1971-12284	19710820
NO 133402	B	19760119	NO 1971-3118	19710820
CH 580594	A	19761015	CH 1975-2512	19710820
FI 55500	B	19790430	FI 1971-2333	19710820
FI 55500	C	19790810		
ES 394421	A1	19731216	ES 1971-394421	19710821
PL 81801	P	19750830	PL 1971-150130	19710821
PL 95241	P	19770930	PL 1971-176730	19710821
PL 96369	P	19771231	PL 1971-176733	19710821
PL 98624	P	19780531	PL 1971-187173	19710821
PL 99299	P	19780630	PL 1971-187174	19710821
JP 56040716	B4	19810922	JP 1971-63376	19710821
ZA 7105635	A	19720726	ZA 1971-5635	19710823
SE 387342	B	19760906	SE 1971-10671	19710823
SE 387941	B	19760920	SE 1974-4140	19710923
SU 552025	D	19770325	SU 1972-1861748	19721222
US 3892764	A	19750701	US 1973-346939	19730402
SE 405115	B	19781120	SE 1974-4139	19740327
SE 405115	C	19790301		
NO 7500726	A	19720223	NO 1975-726	19750304
NO 135787	B	19770221		
NO 7500727	A	19720223	NO 1975-727	19750304
NO 135363	B	19761220		
FI 7702965	A	19771007	FI 1977-2965	19771007
FI 55501	B	19790430		
FI 55501	C	19790810		
FI 7702964	A	19771007	FI 1977-2964	19771007
JP 56156265	A2	19811202	JP 1981-36673	19810316
JP 56156266	A2	19811202	JP 1981-36674	19810316
PRAI DE 1970-2041771		19700822		
US 1971-172201		19710816		
FI 1971-2333		19710820		
NO 1971-3118		19710820		
IT 35988-55-7P				
RL: SPN (Synthetic preparation); PREP (Preparation)				
(prepn. of)				
RN 35988-55-7 CAPLUS				
CN 1H-Imidazole-1-ethanol, .beta.,.beta.-diphenyl-, benzoate (ester) (9CI)				
(CA INDEX NAME)				



Print selected from Online session18/09/2002

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

132.46

450.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-18.59

-18.59

STN INTERNATIONAL LOGOFF AT 19:03:26 ON 18 SEP 2002